

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110221\
 Data File : VU045515.D
 Acq On : 02 Nov 2021 15:35
 Operator : SY/MD
 Sample : VU1102WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS02

Quant Time: Nov 02 17:22:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/03/2021
 Supervised By : Semsettin Yesilyurt 11/09/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.379	168	187415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	370684	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	350852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	170950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	147532	48.353	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.700%		
35) Dibromofluoromethane	5.295	113	110696	46.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.940%		
50) Toluene-d8	7.899	98	466533	50.476	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.960%		
62) 4-Bromofluorobenzene	10.636	95	178383	50.648	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	55765	20.536	ug/l	100
3) Chloromethane	1.520	50	72465	19.431	ug/l	100
4) Vinyl Chloride	1.607	62	66873	21.600	ug/l	99
5) Bromomethane	1.861	94	35127	18.690	ug/l	97
6) Chloroethane	1.938	64	26837	14.388	ug/l	99
7) Trichlorofluoromethane	2.144	101	51939	14.984	ug/l	99
8) Diethyl Ether	2.379	74	24715	15.379	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.585	101	45367	21.785	ug/l	99
10) Methyl Iodide	2.729	142	26376	20.025	ug/l	97
11) Tert butyl alcohol	3.218	59	66284	100.643	ug/l	100
12) 1,1-Dichloroethene	2.585	96	45766	21.374	ug/l	96
13) Acrolein	2.488	56	9501	64.455	ug/l	100
14) Allyl chloride	2.929	41	85441	21.731	ug/l	100
15) Acrylonitrile	3.321	53	172001	107.717	ug/l	99
16) Acetone	2.642	43	144719	104.476	ug/l	95
17) Carbon Disulfide	2.800	76	132444	21.255	ug/l	99
18) Methyl Acetate	2.954	43	109457	21.220	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	171799	21.807	ug/l	100
20) Methylene Chloride	3.051	84	57239	20.737	ug/l	98
21) trans-1,2-Dichloroethene	3.359	96	49906	21.629	ug/l	98
22) Diisopropyl ether	3.996	45	173273	22.536	ug/l	96
23) Vinyl Acetate	3.961	43	656155	110.020	ug/l	100
24) 1,1-Dichloroethane	3.877	63	98756	21.919	ug/l	99
25) 2-Butanone	4.710	43	133255	63.724	ug/l #	88
26) 2,2-Dichloropropane	4.671	77	48351	13.853	ug/l	97
27) cis-1,2-Dichloroethene	4.675	96	43368	16.334	ug/l	91
28) Bromochloromethane	4.980	49	53571	24.106	ug/l	92
29) Tetrahydrofuran	5.057	42	120266	88.683	ug/l	97
30) Chloroform	5.092	83	83335	19.076	ug/l	99
31) Cyclohexane	5.392	56	89849	19.779	ug/l	99
32) 1,1,1-Trichloroethane	5.321	97	73163	20.407	ug/l	98
36) 1,1-Dichloropropene	5.527	75	64847	18.377	ug/l	100
37) Ethyl Acetate	4.806	43	51382	12.024	ug/l	95
38) Carbon Tetrachloride	5.527	117	55969	18.187	ug/l	100
39) Methylcyclohexane	6.768	83	88226	20.106	ug/l	99
40) Benzene	5.777	78	193922	18.257	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	37097	16.403	ug/l	95
42) 1,2-Dichloroethane	5.803	62	59812	15.332	ug/l	95
43) Isopropyl Acetate	5.916	43	122327	18.994	ug/l	99
44) Trichloroethene	6.546	130	51319	20.846	ug/l	100
45) 1,2-Dichloropropane	6.793	63	57908	20.716	ug/l	98
46) Dibromomethane	6.922	93	38192	20.983	ug/l	99
47) Bromodichloromethane	7.108	83	74024	20.665	ug/l	98
48) Methyl methacrylate	6.961	41	60120	19.695	ug/l	99
49) 1,4-Dioxane	7.009	88	29335	378.134	ug/l #	100
51) 4-Methyl-2-Pentanone	7.793	43	416469	100.052	ug/l	99
52) Toluene	7.973	92	133614	20.693	ug/l	99
53) t-1,3-Dichloropropene	8.215	75	82369	20.175	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	89552	20.481	ug/l	99
55) 1,1,2-Trichloroethane	8.401	97	53263	20.195	ug/l	99
56) Ethyl methacrylate	8.337	69	87677	19.212	ug/l	99
57) 1,3-Dichloropropane	8.578	76	95287	20.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	227366	94.049	ug/l	99
59) 2-Hexanone	8.687	43	315470	97.818	ug/l	99
60) Dibromochloromethane	8.813	129	49793	19.672	ug/l	100
61) 1,2-Dibromoethane	8.925	107	56256	20.364	ug/l	99
64) Tetrachloroethene	8.555	164	41773	20.829	ug/l	99
65) Chlorobenzene	9.449	112	134705	20.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	45717	20.370	ug/l	98
67) Ethyl Benzene	9.571	91	250025	20.518	ug/l	99
68) m/p-Xylenes	9.697	106	192290	41.805	ug/l	99
69) o-Xylene	10.102	106	92736	20.676	ug/l	100
70) Styrene	10.115	104	155497	19.360	ug/l	99
71) Bromoform	10.295	173	35455	18.757	ug/l #	100
73) Isopropylbenzene	10.488	105	239816	20.805	ug/l	100
74) N-amyl acetate	10.321	43	104649	18.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.784	83	92199	20.153	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	91224m	20.028	ug/l	
77) Bromobenzene	10.784	156	56685	21.076	ug/l	99
78) n-propylbenzene	10.909	91	296511	21.217	ug/l	99
79) 2-Chlorotoluene	10.989	91	176242	20.952	ug/l	100
80) 1,3,5-Trimethylbenzene	11.089	105	204037	21.036	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	26697	18.208	ug/l	94
82) 4-Chlorotoluene	11.099	91	205303	21.463	ug/l	100
83) tert-Butylbenzene	11.423	119	191249	20.427	ug/l	100
84) 1,2,4-Trimethylbenzene	11.468	105	204462	21.038	ug/l	100
85) sec-Butylbenzene	11.645	105	255035	20.758	ug/l	100
86) p-Isopropyltoluene	11.796	119	210416	19.447	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	106681	20.094	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	108565	19.997	ug/l	99
89) n-Butylbenzene	12.211	91	196334	19.022	ug/l	100
90) Hexachloroethane	12.478	117	33419	19.057	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	107890	20.318	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.999	75	20782	18.913	ug/l	99
93) 1,2,4-Trichlorobenzene	13.841	180	70375	19.791	ug/l	99
94) Hexachlorobutadiene	14.025	225	25092	19.380	ug/l	98
95) Naphthalene	14.089	128	263776	18.825	ug/l	100
96) 1,2,3-Trichlorobenzene	14.330	180	72508	20.229	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VU045515.D\data.ms

Time-->

Chlorobenzene, I
Vinyl Chloride, I
Chloroethane, T
Trichlorofluoromethane, T
Acrolein, T
Diethyl Ether, T
Acetone, T
Methyl Iodide, T
Carbon Disulfide, T
Methyl Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl 2,2,4,4-tetramethylpentane, T
1,1-Dichloroethane, P
Disopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
Chloroform, T
1,1,1-Trichloroethane, T
1,1,1-Trichloroethane, S
Cyclohexane, T
Cyclohexane, I
1,2-Dichloroethane, T
1,2-Dichloroethane, I
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloroethane, T
1,2-Dichloroethane, I
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanol, T
Toluene, CM
1,1,3,3-Tetrachloropropane, T
1,1,2,2-Tetrachloropropane, T
1,2-Dibromomethane, T
1,2-Dibromomethane, I
Chlorobenzene, TM
1,1,1,2-Tetrachloroethane, T
Ethyl Benzene, C
o-Xylene, T
N-amyl acetate, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
1,2,3-Trichloropropane, T
1,2,3-Trichloropropane, I
2-Chlorotoluene, T
1,2,4-Trimethylbenzene, T
1,2,4-Trimethylbenzene, I
1,3-Dichlorobenzene, T
1,3-Dichlorobenzene, I
p-Isopropyltoluene, T
1,4-Dichlorobenzene, I
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
Hexachlorobutadiene, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T