

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045732.D
 Acq On : 11 Nov 2021 12:45
 Operator : SY/MD
 Sample : VU1111WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1111WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 12 06:06:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	108782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	189166	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	185940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	94661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	86973	53.386	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.780%			
35) Dibromofluoromethane	5.292	113	65786	52.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	7.903	98	246790	52.550	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.100%			
62) 4-Bromofluorobenzene	10.636	95	94806	50.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	26842	19.031	ug/l	99
3) Chloromethane	1.523	50	30046	18.619	ug/l	99
4) Vinyl Chloride	1.604	62	30435	19.361	ug/l	99
5) Bromomethane	1.851	94	19910	22.707	ug/l	98
6) Chloroethane	1.932	64	18472	18.006	ug/l	98
7) Trichlorofluoromethane	2.138	101	41652	20.037	ug/l	98
8) Diethyl Ether	2.375	74	17874	21.722	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.581	101	24981	20.580	ug/l	98
10) Methyl Iodide	2.723	142	26261	16.532	ug/l	92
11) Tert butyl alcohol	3.176	59	35708	110.737	ug/l	100
12) 1,1-Dichloroethene	2.581	96	22717	18.982	ug/l	96
13) Acrolein	2.488	56	4676	100.068	ug/l	94
14) Allyl chloride	2.925	41	41693	19.510	ug/l	99
15) Acrylonitrile	3.314	53	94203	109.420	ug/l	97
16) Acetone	2.623	43	82124	99.027	ug/l	100
17) Carbon Disulfide	2.793	76	57522	17.159	ug/l	100
18) Methyl Acetate	2.948	43	60776	21.516	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	89666	20.814	ug/l	99
20) Methylene Chloride	3.047	84	29949	20.784	ug/l	97
21) trans-1,2-Dichloroethene	3.356	96	25501	20.481	ug/l	96
22) Diisopropyl ether	3.996	45	88265	21.036	ug/l	98
23) Vinyl Acetate	3.957	43	338850	104.999	ug/l	99
24) 1,1-Dichloroethane	3.871	63	52072	20.825	ug/l	97
25) 2-Butanone	4.703	43	122731	106.702	ug/l	99
26) 2,2-Dichloropropane	4.671	77	40495	19.544	ug/l	100
27) cis-1,2-Dichloroethene	4.671	96	30051	20.549	ug/l	99
28) Bromochloromethane	4.977	49	24964	20.942	ug/l	98
29) Tetrahydrofuran	5.051	42	74813	106.333	ug/l	99
30) Chloroform	5.092	83	53332	21.567	ug/l	98
31) Cyclohexane	5.391	56	45106	18.975	ug/l	95
32) 1,1,1-Trichloroethane	5.321	97	43579	20.665	ug/l	98
36) 1,1-Dichloropropene	5.530	75	36787	19.944	ug/l	99
37) Ethyl Acetate	4.806	43	46131	21.772	ug/l	99
38) Carbon Tetrachloride	5.530	117	36821	19.801	ug/l	100
39) Methylcyclohexane	6.768	83	42525	18.793	ug/l	97
40) Benzene	5.777	78	111045	20.334	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	23982	21.418	ug/l	95
42) 1,2-Dichloroethane	5.797	62	42854	21.725	ug/l	99
43) Isopropyl Acetate	5.912	43	67459	20.815	ug/l	99
44) Trichloroethene	6.546	130	27162	20.779	ug/l	99
45) 1,2-Dichloropropane	6.793	63	31153	21.560	ug/l	98
46) Dibromomethane	6.922	93	21580	21.554	ug/l	100
47) Bromodichloromethane	7.108	83	40746	21.449	ug/l	96
48) Methyl methacrylate	6.960	41	30902	20.717	ug/l	98
49) 1,4-Dioxane	6.964	88	16864	439.624	ug/l #	99
51) 4-Methyl-2-Pentanone	7.793	43	228955	107.097	ug/l	100
52) Toluene	7.973	92	70493	21.085	ug/l	98
53) t-1,3-Dichloropropene	8.214	75	42446	19.441	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	47886	20.650	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	30372	21.919	ug/l	98
56) Ethyl methacrylate	8.333	69	44218	19.353	ug/l	98
57) 1,3-Dichloropropane	8.578	76	53399	21.397	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	97403	76.355	ug/l	98
59) 2-Hexanone	8.684	43	173904	98.205	ug/l	99
60) Dibromochloromethane	8.813	129	30798	21.345	ug/l	98
61) 1,2-Dibromoethane	8.925	107	31240	21.021	ug/l	100
64) Tetrachloroethene	8.555	164	23331	21.862	ug/l	98
65) Chlorobenzene	9.449	112	72545	19.863	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	26911	20.659	ug/l	98
67) Ethyl Benzene	9.575	91	130831	20.003	ug/l	99
68) m/p-Xylenes	9.697	106	102282	41.465	ug/l	98
69) o-Xylene	10.105	106	48863	20.375	ug/l	100
70) Styrene	10.118	104	83142	20.493	ug/l	98
71) Bromoform	10.295	173	21835	19.704	ug/l #	99
73) Isopropylbenzene	10.488	105	129944	21.009	ug/l	100
74) N-amyl acetate	10.320	43	51995	18.635	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.783	83	52111	21.265	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	45731m	15.930	ug/l	
77) Bromobenzene	10.787	156	31722	21.124	ug/l	95
78) n-propylbenzene	10.909	91	158944	20.648	ug/l	100
79) 2-Chlorotoluene	10.989	91	95031	20.895	ug/l	98
80) 1,3,5-Trimethylbenzene	11.092	105	112329	20.786	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	13983	17.994	ug/l	95
82) 4-Chlorotoluene	11.099	91	110408	20.700	ug/l	99
83) tert-Butylbenzene	11.423	119	105293	20.440	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	111966	20.847	ug/l	100
85) sec-Butylbenzene	11.648	105	140155	20.515	ug/l	99
86) p-Isopropyltoluene	11.796	119	114022	19.972	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	60445	19.949	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	61038	19.918	ug/l	99
89) n-Butylbenzene	12.211	91	103247	18.774	ug/l	99
90) Hexachloroethane	12.478	117	19038	18.485	ug/l	98
91) 1,2-Dichlorobenzene	12.214	146	60325	20.464	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.999	75	11568	20.006	ug/l	99
93) 1,2,4-Trichlorobenzene	13.844	180	37757	18.524	ug/l	98
94) Hexachlorobutadiene	14.025	225	16250	18.470	ug/l	98
95) Naphthalene	14.089	128	139170	18.817	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	40290	19.901	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

