

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045760.D
 Acq On : 12 Nov 2021 11:43
 Operator : SY/MD
 Sample : VU1112WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 15 05:17:52 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	5.376	168	106190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	186323	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	182053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	93588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	81441	51.211	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.420%			
35) Dibromofluoromethane	5.292	113	62332	50.107	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	7.900	98	228453	49.387	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.780%			
62) 4-Bromofluorobenzene	10.636	95	88386	47.650	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	24527	17.814	ug/l	96
3) Chloromethane	1.520	50	27212	17.274	ug/l	100
4) Vinyl Chloride	1.604	62	28888	18.825	ug/l	98
5) Bromomethane	1.852	94	18598	21.729	ug/l	93
6) Chloroethane	1.932	64	17796	17.770	ug/l	99
7) Trichlorofluoromethane	2.138	101	40391	19.905	ug/l	97
8) Diethyl Ether	2.376	74	15890	19.782	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.582	101	23426	19.770	ug/l	97
10) Methyl Iodide	2.723	142	23524	15.171	ug/l #	90
11) Tert butyl alcohol	3.176	59	34435	109.396	ug/l	100
12) 1,1-Dichloroethene	2.582	96	21942	18.782	ug/l	94
13) Acrolein	2.485	56	4726	103.606	ug/l	95
14) Allyl chloride	2.926	41	39377	18.876	ug/l	97
15) Acrylonitrile	3.315	53	89776	106.823	ug/l	98
16) Acetone	2.623	43	85037	105.042	ug/l	99
17) Carbon Disulfide	2.794	76	53924	16.479	ug/l	100
18) Methyl Acetate	2.948	43	58362	21.166	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	86138	20.483	ug/l	98
20) Methylene Chloride	3.048	84	28996	20.613	ug/l	98
21) trans-1,2-Dichloroethene	3.356	96	23633	19.444	ug/l	94
22) Diisopropyl ether	3.996	45	85240	20.811	ug/l	96
23) Vinyl Acetate	3.958	43	323962	102.836	ug/l	100
24) 1,1-Dichloroethane	3.871	63	50811	20.817	ug/l	98
25) 2-Butanone	4.700	43	120926	107.699	ug/l	100
26) 2,2-Dichloropropane	4.668	77	39730	19.643	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	28776	20.158	ug/l	99
28) Bromochloromethane	4.977	49	24551	21.098	ug/l	95
29) Tetrahydrofuran	5.051	42	72518	105.587	ug/l	100
30) Chloroform	5.093	83	50364	20.864	ug/l	95
31) Cyclohexane	5.392	56	42864	18.472	ug/l	98
32) 1,1,1-Trichloroethane	5.321	97	42251	20.525	ug/l	98
36) 1,1-Dichloropropene	5.530	75	35256	19.406	ug/l	99
37) Ethyl Acetate	4.807	43	44119	21.140	ug/l	100
38) Carbon Tetrachloride	5.530	117	35389	19.321	ug/l	99
39) Methylcyclohexane	6.768	83	39920	17.911	ug/l	97
40) Benzene	5.778	78	105328	19.582	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.974	41	23493	21.301	ug/l	97
42) 1,2-Dichloroethane	5.797	62	41261	21.237	ug/l	100
43) Isopropyl Acetate	5.913	43	64863	20.320	ug/l	100
44) Trichloroethene	6.546	130	26307	20.432	ug/l	96
45) 1,2-Dichloropropane	6.794	63	29071	20.426	ug/l	98
46) Dibromomethane	6.922	93	20825	21.117	ug/l	99
47) Bromodichloromethane	7.109	83	40362	21.571	ug/l	99
48) Methyl methacrylate	6.964	41	29778	20.268	ug/l	97
49) 1,4-Dioxane	6.964	88	16632	440.191	ug/l #	95
51) 4-Methyl-2-Pentanone	7.794	43	222653	105.738	ug/l	99
52) Toluene	7.970	92	67120	20.382	ug/l	99
53) t-1,3-Dichloropropene	8.212	75	41499	19.298	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	46328	20.283	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	29883	21.895	ug/l	96
56) Ethyl methacrylate	8.334	69	41903	18.711	ug/l	99
57) 1,3-Dichloropropane	8.578	76	51810	21.077	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.466	63	100014	79.598	ug/l	100
59) 2-Hexanone	8.684	43	168851	96.913	ug/l	98
60) Dibromochloromethane	8.813	129	29595	20.825	ug/l	96
61) 1,2-Dibromoethane	8.925	107	29908	20.432	ug/l	99
64) Tetrachloroethene	8.556	164	23481	22.472	ug/l	97
65) Chlorobenzene	9.449	112	70456	19.703	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.536	131	26304	20.624	ug/l	98
67) Ethyl Benzene	9.572	91	123939	19.354	ug/l	100
68) m/p-Xylenes	9.697	106	95477	39.533	ug/l	99
69) o-Xylene	10.102	106	46736	19.904	ug/l	98
70) Styrene	10.118	104	79729	20.071	ug/l	98
71) Bromoform	10.295	173	21655	19.918	ug/l #	98
73) Isopropylbenzene	10.488	105	125315	20.493	ug/l	99
74) N-amyl acetate	10.321	43	50028	18.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.784	83	50485	20.838	ug/l	100
76) 1,2,3-Trichloropropane	10.826	75	46611m	16.423	ug/l	
77) Bromobenzene	10.787	156	30249	20.374	ug/l	97
78) n-propylbenzene	10.909	91	150173	19.732	ug/l	98
79) 2-Chlorotoluene	10.990	91	91465	20.342	ug/l	98
80) 1,3,5-Trimethylbenzene	11.092	105	106919	20.012	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	13153	17.266	ug/l	96
82) 4-Chlorotoluene	11.099	91	105542	20.015	ug/l	99
83) tert-Butylbenzene	11.424	119	99905	19.616	ug/l	99
84) 1,2,4-Trimethylbenzene	11.469	105	106102	19.982	ug/l	100
85) sec-Butylbenzene	11.645	105	133180	19.717	ug/l	99
86) p-Isopropyltoluene	11.797	119	111301	19.719	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	58157	19.414	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	59933	19.782	ug/l	99
89) n-Butylbenzene	12.211	91	99236	18.252	ug/l	99
90) Hexachloroethane	12.478	117	18077	17.753	ug/l	97
91) 1,2-Dichlorobenzene	12.215	146	60172	20.646	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.999	75	10825	18.936	ug/l	96
93) 1,2,4-Trichlorobenzene	13.842	180	36240	17.984	ug/l	97
94) Hexachlorobutadiene	14.025	225	15547	17.873	ug/l	98
95) Naphthalene	14.089	128	133493	18.287	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	38598	19.284	ug/l	98

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

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