

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045597.D
 Acq On : 06 Nov 2021 06:42
 Operator : SY/MD
 Sample : M4508-04MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-498-500MS

Quant Time: Nov 06 21:55:16 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2021
 Supervised By : Mahesh Dadoda 11/08/2021

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	114492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	208670	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	205919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	109249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	93817	54.715	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.440%			
35) Dibromofluoromethane	5.292	113	70581	50.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.320%			
50) Toluene-d8	7.899	98	269212	51.966	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.940%			
62) 4-Bromofluorobenzene	10.632	95	107216	51.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	75352	50.761	ug/l	98
3) Chloromethane	1.523	50	86638	51.009	ug/l	99
4) Vinyl Chloride	1.607	62	88070	53.230	ug/l	100
5) Bromomethane	1.848	94	51422	55.722	ug/l	100
6) Chloroethane	1.932	64	54403	50.384	ug/l	100
7) Trichlorofluoromethane	2.141	101	111179	50.816	ug/l	99
8) Diethyl Ether	2.379	74	45882	52.978	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.584	101	61228	47.926	ug/l	97
10) Methyl Iodide	2.726	142	74894	44.797	ug/l	92
11) Tert butyl alcohol	3.176	59	92410	272.287	ug/l	99
12) 1,1-Dichloroethene	2.581	96	62979	49.999	ug/l	99
13) Acrolein	2.485	56	19157	389.519	ug/l	100
14) Allyl chloride	2.925	41	115088	51.170	ug/l	98
15) Acrylonitrile	3.311	53	249582	275.440	ug/l	99
16) Acetone	2.623	43	197862	226.687	ug/l	100
17) Carbon Disulfide	2.797	76	173847	49.274	ug/l	99
18) Methyl Acetate	2.948	43	147327	49.557	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	245529	54.151	ug/l	100
20) Methylene Chloride	3.051	84	78543	51.788	ug/l	99
21) trans-1,2-Dichloroethene	3.356	96	69280	52.868	ug/l	98
22) Diisopropyl ether	3.993	45	241585	54.704	ug/l	99
23) Vinyl Acetate	3.957	43	847237	249.440	ug/l	99
24) 1,1-Dichloroethane	3.874	63	139744m	53.101	ug/l	
25) 2-Butanone	4.700	43	317731	262.458	ug/l	99
26) 2,2-Dichloropropane	4.671	77	89466	41.026	ug/l	100
27) cis-1,2-Dichloroethene	4.668	96	81619	53.029	ug/l	99
28) Bromochloromethane	4.977	49	69996	55.790	ug/l	100
29) Tetrahydrofuran	5.051	42	203003	274.143	ug/l	100
30) Chloroform	5.092	83	138509	53.218	ug/l	99
31) Cyclohexane	5.391	56	120577	48.195	ug/l	98
32) 1,1,1-Trichloroethane	5.321	97	117569	52.971	ug/l	98
36) 1,1-Dichloropropene	5.530	75	99430	48.867	ug/l	100
37) Ethyl Acetate	4.803	43	110262	47.175	ug/l	99
38) Carbon Tetrachloride	5.530	117	99133	48.327	ug/l	98
39) Methylcyclohexane	6.768	83	117348	47.011	ug/l	97
40) Benzene	5.777	78	295873	49.116	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	68469	55.433	ug/l	97
42) 1,2-Dichloroethane	5.797	62	111779	51.371	ug/l	100
43) Isopropyl Acetate	5.912	43	174911	48.927	ug/l	99
44) Trichloroethene	6.546	130	70550	48.927	ug/l	98
45) 1,2-Dichloropropane	6.793	63	82917	52.020	ug/l	100
46) Dibromomethane	6.919	93	56118	50.812	ug/l	100
47) Bromodichloromethane	7.108	83	109571	52.287	ug/l	97
48) Methyl methacrylate	6.960	41	87134	52.955	ug/l	97
49) 1,4-Dioxane	6.960	88	44664	1055.507	ug/l #	96
51) 4-Methyl-2-Pentanone	7.793	43	634831	269.196	ug/l	99
52) Toluene	7.970	92	190292	51.597	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	121578	50.481	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	125428	49.032	ug/l	97
55) 1,1,2-Trichloroethane	8.401	97	79537	52.036	ug/l	98
56) Ethyl methacrylate	8.333	69	127297	46.605	ug/l	100
57) 1,3-Dichloropropane	8.578	76	141398	51.361	ug/l	99
59) 2-Hexanone	8.684	43	493302	240.692	ug/l	98
60) Dibromochloromethane	8.812	129	82053	51.553	ug/l	99
61) 1,2-Dibromoethane	8.925	107	83297	50.811	ug/l	100
64) Tetrachloroethene	8.555	164	55361	46.841	ug/l	98
65) Chlorobenzene	9.449	112	197086	48.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	71973	49.892	ug/l	97
67) Ethyl Benzene	9.571	91	366898	50.652	ug/l	99
68) m/p-Xylenes	9.697	106	282863	103.546	ug/l	99
69) o-Xylene	10.102	106	136103	51.247	ug/l	98
70) Styrene	10.115	104	229555	51.091	ug/l	99
71) Bromoform	10.292	173	62233	45.852	ug/l #	100
73) Isopropylbenzene	10.484	105	358102	50.167	ug/l	100
74) N-amyl acetate	10.320	43	156637	48.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.783	83	143829	50.856	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	143947m	43.448	ug/l	
77) Bromobenzene	10.783	156	84288	48.634	ug/l	99
78) n-propylbenzene	10.906	91	441350	49.678	ug/l	100
79) 2-Chlorotoluene	10.986	91	262059	49.927	ug/l	98
80) 1,3,5-Trimethylbenzene	11.089	105	312174	50.054	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	42445	42.450	ug/l	98
82) 4-Chlorotoluene	11.099	91	305604	49.646	ug/l	99
83) tert-Butylbenzene	11.423	119	302372	50.860	ug/l	98
84) 1,2,4-Trimethylbenzene	11.468	105	318246	51.342	ug/l	99
85) sec-Butylbenzene	11.645	105	389038	49.340	ug/l	100
86) p-Isopropyltoluene	11.793	119	322853	49.000	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	164730	47.108	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	167472	47.353	ug/l	99
89) n-Butylbenzene	12.211	91	302622	47.680	ug/l	100
90) Hexachloroethane	12.478	117	58191	48.957	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	167009	49.089	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	34156	51.183	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	107029	45.499	ug/l	99
94) Hexachlorobutadiene	14.021	225	42408	41.764	ug/l	97
95) Naphthalene	14.086	128	411424	46.595	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	108233	46.323	ug/l	98

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

