

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045626.D
 Acq On : 08 Nov 2021 19:22
 Operator : SY/MD
 Sample : M4508-05MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Nov 09 10:02:05 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 11/09/2021
 Supervised By : Mahesh Dadoda 11/15/2021

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	136276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	243435	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	238428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	121982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	93906	46.012	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.020%		
35) Dibromofluoromethane	5.292	113	74204	45.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.320%		
50) Toluene-d8	7.899	98	276440	45.741	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.480%#		
62) 4-Bromofluorobenzene	10.636	95	109472	45.172	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	81370	46.053	ug/l	99
3) Chloromethane	1.520	50	90618	44.824	ug/l	100
4) Vinyl Chloride	1.604	62	95904	48.699	ug/l	99
5) Bromomethane	1.848	94	59922	54.553	ug/l	100
6) Chloroethane	1.928	64	57439	44.693	ug/l	99
7) Trichlorofluoromethane	2.137	101	122778	47.147	ug/l	98
8) Diethyl Ether	2.375	74	50206	48.704	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.581	101	71511	47.028	ug/l	96
10) Methyl Iodide	2.723	142	81463	40.937	ug/l	94
11) Tert butyl alcohol	3.176	59	101016	250.066	ug/l	100
12) 1,1-Dichloroethene	2.578	96	70557	47.061	ug/l	100
13) Acrolein	2.485	56	15818	270.214	ug/l	96
14) Allyl chloride	2.925	41	129793	48.483	ug/l	99
15) Acrylonitrile	3.314	53	264831	245.549	ug/l	99
16) Acetone	2.626	43	207049	199.294	ug/l	98
17) Carbon Disulfide	2.793	76	190658	45.401	ug/l	99
18) Methyl Acetate	2.948	43	162847	46.021	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	271334	50.277	ug/l	98
20) Methylene Chloride	3.047	84	84279	46.687	ug/l	98
21) trans-1,2-Dichloroethene	3.353	96	76459	49.020	ug/l	97
22) Diisopropyl ether	3.996	45	265888	50.583	ug/l	93
23) Vinyl Acetate	3.957	43	991517	245.255	ug/l	99
24) 1,1-Dichloroethane	3.874	63	155006	49.485	ug/l	99
25) 2-Butanone	4.700	43	342448	237.657	ug/l	100
26) 2,2-Dichloropropane	4.671	77	119072	45.874	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	91800	50.110	ug/l	99
28) Bromochloromethane	4.977	49	66500	44.531	ug/l	96
29) Tetrahydrofuran	5.051	42	219041	248.517	ug/l	99
30) Chloroform	5.092	83	155437	50.175	ug/l	100
31) Cyclohexane	5.391	56	135072	45.359	ug/l	96
32) 1,1,1-Trichloroethane	5.321	97	133903	50.686	ug/l	97
36) 1,1-Dichloropropene	5.530	75	110875	46.710	ug/l	98
37) Ethyl Acetate	4.803	43	126196	46.282	ug/l	99
38) Carbon Tetrachloride	5.526	117	112963	47.204	ug/l	98
39) Methylcyclohexane	6.764	83	130172	44.702	ug/l	96
40) Benzene	5.777	78	333146	47.405	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	71889	49.890	ug/l	100
42) 1,2-Dichloroethane	5.796	62	123078	48.486	ug/l	99
43) Isopropyl Acetate	5.912	43	200413	48.054	ug/l	98
44) Trichloroethene	6.546	130	80578	47.901	ug/l	99
45) 1,2-Dichloropropane	6.793	63	90623	48.735	ug/l	97
46) Dibromomethane	6.919	93	62193	48.271	ug/l	97
47) Bromodichloromethane	7.108	83	121753	49.803	ug/l	96
48) Methyl methacrylate	6.960	41	96284	50.159	ug/l	97
49) 1,4-Dioxane	6.964	88	46357	939.065	ug/l #	96
51) 4-Methyl-2-Pentanone	7.793	43	682451	248.062	ug/l	99
52) Toluene	7.973	92	212995	49.505	ug/l	100
53) t-1,3-Dichloropropene	8.211	75	138223	49.196	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	145953	48.908	ug/l	97
55) 1,1,2-Trichloroethane	8.404	97	88147	49.433	ug/l	97
56) Ethyl methacrylate	8.337	69	143076	44.989	ug/l	98
57) 1,3-Dichloropropane	8.578	76	157683	49.097	ug/l	99
59) 2-Hexanone	8.684	43	519116	217.853	ug/l	100
60) Dibromochloromethane	8.812	129	94176	50.720	ug/l	99
61) 1,2-Dibromoethane	8.925	107	92561	48.399	ug/l	100
64) Tetrachloroethene	8.555	164	65883	48.144	ug/l	99
65) Chlorobenzene	9.449	112	222240	47.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	80968	48.475	ug/l	99
67) Ethyl Benzene	9.571	91	409422	48.816	ug/l	100
68) m/p-Xylenes	9.697	106	315506	99.748	ug/l	99
69) o-Xylene	10.102	106	154483	50.236	ug/l	98
70) Styrene	10.115	104	258382	49.666	ug/l	98
71) Bromoform	10.295	173	70305	44.812	ug/l #	100
73) Isopropylbenzene	10.488	105	404963	50.810	ug/l	100
74) N-amyl acetate	10.320	43	173588	48.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.783	83	152180	48.192	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	136719m	36.959	ug/l	
77) Bromobenzene	10.783	156	97186	50.223	ug/l	95
78) n-propylbenzene	10.909	91	487765	49.171	ug/l	99
79) 2-Chlorotoluene	10.989	91	286147	48.825	ug/l	98
80) 1,3,5-Trimethylbenzene	11.089	105	346304	49.730	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	47987	42.945	ug/l	98
82) 4-Chlorotoluene	11.099	91	336163	48.910	ug/l	99
83) tert-Butylbenzene	11.423	119	334152	50.339	ug/l	97
84) 1,2,4-Trimethylbenzene	11.468	105	348400	50.340	ug/l	99
85) sec-Butylbenzene	11.645	105	421552	47.883	ug/l	99
86) p-Isopropyltoluene	11.796	119	353801	48.092	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	181558	46.501	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	186312	47.181	ug/l	100
89) n-Butylbenzene	12.211	91	319867	45.136	ug/l	99
90) Hexachloroethane	12.478	117	62069	46.769	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	181504	47.781	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	36391	48.840	ug/l	96
93) 1,2,4-Trichlorobenzene	13.841	180	118615	45.161	ug/l	98
94) Hexachlorobutadiene	14.024	225	42660	37.627	ug/l	97
95) Naphthalene	14.089	128	452800	45.943	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	122248	46.860	ug/l	99

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

