

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076946.D
 Acq On : 07 Aug 2023 22:17
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.80G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 08 04:42:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/08/2023
 Supervised By :Mahesh Dadoda 08/08/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	157738	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	309885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90916	57.867	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.740%			
35) Dibromofluoromethane	7.805	113	110526	56.757	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.520%			
50) Toluene-d8	10.269	98	351871	50.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.575	95	120008	53.251	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	51083	41.413	ug/l	98
3) Chloromethane	2.146	50	93304	43.850	ug/l	97
4) Vinyl Chloride	2.275	62	128433	45.280	ug/l	96
5) Bromomethane	2.675	94	102195	43.790	ug/l	100
6) Chloroethane	2.822	64	104169	48.642	ug/l	97
7) Trichlorofluoromethane	3.164	101	123155	48.796	ug/l	99
8) Diethyl Ether	3.593	74	47219	54.339	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	80076	48.267	ug/l	96
10) Methyl Iodide	4.158	142	103479	55.331	ug/l	92
11) Tert butyl alcohol	5.058	59	31841	271.591	ug/l	99
12) 1,1-Dichloroethene	3.934	96	75746	48.596	ug/l	94
13) Acrolein	3.787	56	5421	67.852	ug/l	96
14) Allyl chloride	4.558	41	84025	41.036	ug/l	92
15) Acrylonitrile	5.252	53	76206	178.555	ug/l	97
16) Acetone	4.022	43	74640	198.925	ug/l	100
17) Carbon Disulfide	4.264	76	144535	39.702	ug/l	99
18) Methyl Acetate	4.558	43	185432	131.537	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	235535	56.349	ug/l	99
20) Methylene Chloride	4.793	84	146408	69.557	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	90926	50.185	ug/l	96
22) Diisopropyl ether	6.216	45	251346	51.838	ug/l	96
23) Vinyl Acetate	6.216	43	191581m	79.857	ug/l	
24) 1,1-Dichloroethane	6.105	63	181645	55.563	ug/l	95
25) 2-Butanone	7.081	43	124566	248.055	ug/l	93
26) 2,2-Dichloropropane	7.081	77	54564	19.362	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	119851	53.660	ug/l	97
28) Bromochloromethane	7.422	49	39033	47.757	ug/l	90
29) Tetrahydrofuran	7.446	42	79038	266.389	ug/l	94
30) Chloroform	7.599	83	203406	56.808	ug/l	98
31) Cyclohexane	7.881	56	92856	40.159	ug/l	95
32) 1,1,1-Trichloroethane	7.787	97	158766	54.957	ug/l	99
36) 1,1-Dichloropropene	8.005	75	119187	46.838	ug/l	97
37) Ethyl Acetate	7.169	43	30219	26.555	ug/l	98
38) Carbon Tetrachloride	7.993	117	119145	48.899	ug/l	96
39) Methylcyclohexane	9.275	83	116172	39.539	ug/l	97
40) Benzene	8.246	78	393085	48.958	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	27662	39.806	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	111140	53.275	ug/l	98
43) Isopropyl Acetate	8.357	43	92028	41.437	ug/l	97
44) Trichloroethene	9.028	130	109917	50.239	ug/l	98
45) 1,2-Dichloropropane	9.304	63	108862	52.525	ug/l	98
46) Dibromomethane	9.393	93	64174	52.899	ug/l	93
47) Bromodichloromethane	9.581	83	163606	53.740	ug/l	98
48) Methyl methacrylate	9.381	41	54272	53.692	ug/l	85
49) 1,4-Dioxane	9.393	88	16361	1052.624	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	296314	250.587	ug/l	95
52) Toluene	10.334	92	258146	48.954	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	103861	36.755	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	123564	37.103	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	93731	52.910	ug/l	91
56) Ethyl methacrylate	10.599	69	94171	46.057	ug/l	93
57) 1,3-Dichloropropane	10.881	76	149298	51.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	177754	224.593	ug/l	98
59) 2-Hexanone	10.922	43	199517	236.465	ug/l	93
60) Dibromochloromethane	11.075	129	115656	56.199	ug/l	98
61) 1,2-Dibromoethane	11.181	107	85051	51.785	ug/l	98
64) Tetrachloroethene	10.810	164	137849	84.209	ug/l	93
65) Chlorobenzene	11.610	112	293119	50.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	116802	54.336	ug/l	97
67) Ethyl Benzene	11.687	91	515326	50.821	ug/l	95
68) m/p-Xylenes	11.793	106	412017	105.799	ug/l	93
69) o-Xylene	12.122	106	199687	53.025	ug/l	94
70) Styrene	12.134	104	349261	52.979	ug/l	98
71) Bromoform	12.298	173	66960	56.875	ug/l #	100
73) Isopropylbenzene	12.422	105	500540	48.649	ug/l	96
74) N-amyl acetate	12.234	43	68297	31.509	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	108747	49.227	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	70127m	51.999	ug/l	
77) Bromobenzene	12.698	156	121763	51.271	ug/l	91
78) n-propylbenzene	12.763	91	598772	48.004	ug/l	95
79) 2-Chlorotoluene	12.851	91	336735	49.236	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	411786	49.497	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	13923	21.972	ug/l	96
82) 4-Chlorotoluene	12.945	91	346919	48.555	ug/l	96
83) tert-Butylbenzene	13.169	119	357439	48.796	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	432922	50.922	ug/l	96
85) sec-Butylbenzene	13.345	105	532832	47.610	ug/l	96
86) p-Isopropyltoluene	13.463	119	432577	46.802	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	238397	48.804	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	237980	49.726	ug/l	98
89) n-Butylbenzene	13.787	91	391747	43.313	ug/l	97
90) Hexachloroethane	14.051	117	87758	51.357	ug/l	88
91) 1,2-Dichlorobenzene	13.828	146	217482	50.527	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15223	48.331	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	128088	48.743	ug/l	96
94) Hexachlorobutadiene	15.204	225	54129	42.830	ug/l	97
95) Naphthalene	15.334	128	295089	51.863	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	121286	51.433	ug/l	96

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

