

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060723\
 Data File : VD076368.D
 Acq On : 07 Jun 2023 22:18
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Jun 08 01:20:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 06 02:52:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	155105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	256010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	256058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	138813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84075	60.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.000%			
35) Dibromofluoromethane	7.804	113	98430	60.554	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.100%			
50) Toluene-d8	10.269	98	371283	57.368	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.740%			
62) 4-Bromofluorobenzene	12.575	95	109088	63.692	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 127.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	53510	35.625	ug/l	99
3) Chloromethane	2.146	50	125122	43.350	ug/l	98
4) Vinyl Chloride	2.275	62	145900	38.515	ug/l	100
5) Bromomethane	2.681	94	91930	37.404	ug/l	99
6) Chloroethane	2.828	64	110750	43.628	ug/l	97
7) Trichlorofluoromethane	3.169	101	108556	43.161	ug/l	96
8) Diethyl Ether	3.587	74	44121	53.777	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.958	101	73880	45.923	ug/l	98
10) Methyl Iodide	4.158	142	91198	40.734	ug/l	98
11) Tert butyl alcohol	5.063	59	23190	298.574	ug/l	98
12) 1,1-Dichloroethene	3.928	96	71692	41.978	ug/l	96
13) Acrolein	3.799	56	21179	125.336	ug/l	99
14) Allyl chloride	4.552	41	77726	46.318	ug/l	96
15) Acrylonitrile	5.252	53	98757	301.436	ug/l	100
16) Acetone	4.016	43	64327	252.711	ug/l	99
17) Carbon Disulfide	4.263	76	196363	34.471	ug/l	95
18) Methyl Acetate	4.558	43	63005	58.367	ug/l	99
19) Methyl tert-butyl Ether	5.310	73	187261	59.515	ug/l	97
20) Methylene Chloride	4.799	84	111904	53.791	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	92653	46.818	ug/l	92
22) Diisopropyl ether	6.210	45	221264	59.288	ug/l	99
23) Vinyl Acetate	6.152	43	398797m	284.014	ug/l	
24) 1,1-Dichloroethane	6.110	63	161209	52.892	ug/l	98
25) 2-Butanone	7.081	43	97005	275.214	ug/l	97
26) 2,2-Dichloropropane	7.069	77	114884	45.519	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	110916	51.881	ug/l	98
28) Bromochloromethane	7.422	49	69458	98.038	ug/l	98
29) Tetrahydrofuran	7.440	42	64664	310.963	ug/l	98
30) Chloroform	7.593	83	178959	55.945	ug/l	96
31) Cyclohexane	7.875	56	92006	39.433	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	128779	50.555	ug/l	99
36) 1,1-Dichloropropene	8.004	75	112614	48.220	ug/l	99
37) Ethyl Acetate	7.163	43	49788	64.618	ug/l	98
38) Carbon Tetrachloride	7.993	117	97782	47.762	ug/l	96
39) Methylcyclohexane	9.275	83	113653	42.591	ug/l	97
40) Benzene	8.246	78	382064	51.717	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23638	60.215	ug/l #	84
42) 1,2-Dichloroethane	8.322	62	97308	57.031	ug/l	99
43) Isopropyl Acetate	8.363	43	82065	59.429	ug/l	99
44) Trichloroethene	9.028	130	100108	48.462	ug/l	99
45) 1,2-Dichloropropane	9.304	63	101202	58.368	ug/l	98
46) Dibromomethane	9.393	93	57209	58.289	ug/l	99
47) Bromodichloromethane	9.581	83	138558	60.221	ug/l	97
48) Methyl methacrylate	9.381	41	38904	62.190	ug/l	97
49) 1,4-Dioxane	9.387	88	13564	1260.937	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	236830	325.375	ug/l	99
52) Toluene	10.334	92	248837	54.772	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	122984	57.596	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	150133	56.896	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	84513	60.815	ug/l	95
56) Ethyl methacrylate	10.598	69	86386	60.949	ug/l	99
57) 1,3-Dichloropropane	10.881	76	131611	59.628	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	239780	402.926	ug/l	98
59) 2-Hexanone	10.922	43	160690	321.768	ug/l	98
60) Dibromochloromethane	11.075	129	95262	60.471	ug/l	96
61) 1,2-Dibromoethane	11.181	107	74606	59.000	ug/l	100
64) Tetrachloroethene	10.810	164	87545	47.732	ug/l	93
65) Chlorobenzene	11.610	112	279256	50.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	98430	53.436	ug/l	100
67) Ethyl Benzene	11.687	91	448724	50.752	ug/l	99
68) m/p-Xylenes	11.792	106	375652	102.781	ug/l	97
69) o-Xylene	12.122	106	178027	54.025	ug/l	98
70) Styrene	12.134	104	315548	55.838	ug/l	98
71) Bromoform	12.298	173	58112	58.477	ug/l #	97
73) Isopropylbenzene	12.422	105	418125	47.051	ug/l	99
74) N-amyl acetate	12.234	43	79404	52.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	96199	54.077	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	54991m	42.439	ug/l	
77) Bromobenzene	12.704	156	117684	50.367	ug/l	97
78) n-propylbenzene	12.763	91	535149	48.708	ug/l	98
79) 2-Chlorotoluene	12.851	91	297629	49.663	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	363711	49.634	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	29062	53.717	ug/l	93
82) 4-Chlorotoluene	12.945	91	315693	49.474	ug/l	99
83) tert-Butylbenzene	13.169	119	295810	48.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	373472	51.031	ug/l	100
85) sec-Butylbenzene	13.345	105	458101	48.467	ug/l	99
86) p-Isopropyltoluene	13.463	119	384181	49.038	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	240139	50.983	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	237362	49.771	ug/l	99
89) n-Butylbenzene	13.786	91	346970	47.650	ug/l	99
90) Hexachloroethane	14.057	117	74600	47.426	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	212552	51.977	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12334	52.484	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	117746	49.539	ug/l	99
94) Hexachlorobutadiene	15.204	225	53872	46.357	ug/l	98
95) Naphthalene	15.333	128	241848	48.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	111108	52.860	ug/l	99

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

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