

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073248.D
 Acq On : 22 May 2022 00:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 22 01:36:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	324573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	563783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	545320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	190418	53.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.180%			
35) Dibromofluoromethane	7.902	113	196625	52.853	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.700%			
50) Toluene-d8	10.331	98	722084	52.654	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.620	95	253417	52.656	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	126641	39.048	ug/l	99
3) Chloromethane	2.208	50	144833	39.493	ug/l	97
4) Vinyl Chloride	2.344	62	132927	39.639	ug/l	96
5) Bromomethane	2.755	94	97634	45.012	ug/l	99
6) Chloroethane	2.908	64	89706	43.515	ug/l	99
7) Trichlorofluoromethane	3.261	101	260760	43.976	ug/l	99
8) Diethyl Ether	3.702	74	81534	50.040	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	155428	43.931	ug/l	97
10) Methyl Iodide	4.291	142	164192	43.014	ug/l	98
11) Tert butyl alcohol	5.214	59	70622	126.899	ug/l #	83
12) 1,1-Dichloroethene	4.055	96	145468	44.597	ug/l	84
13) Acrolein	3.920	56	60942	279.377	ug/l	98
14) Allyl chloride	4.708	41	243511	46.249	ug/l	91
15) Acrylonitrile	5.414	53	204825	274.906	ug/l	99
16) Acetone	4.155	43	150146	241.663	ug/l	98
17) Carbon Disulfide	4.402	76	442718	40.942	ug/l	99
18) Methyl Acetate	4.714	43	96357	55.773	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	396929	53.415	ug/l	98
20) Methylene Chloride	4.955	84	195753	49.644	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	183308	46.479	ug/l	92
22) Diisopropyl ether	6.355	45	571538	51.782	ug/l #	94
23) Vinyl Acetate	6.296	43	1589489	269.984	ug/l #	95
24) 1,1-Dichloroethane	6.255	63	331926	46.851	ug/l	99
25) 2-Butanone	7.208	43	250112	275.153	ug/l	91
26) 2,2-Dichloropropane	7.202	77	229431	37.974	ug/l	95
27) cis-1,2-Dichloroethene	7.202	96	215344	49.346	ug/l	87
28) Bromochloromethane	7.537	49	129858	53.204	ug/l #	81
29) Tetrahydrofuran	7.561	42	163439	278.067	ug/l #	90
30) Chloroform	7.702	83	363854	49.194	ug/l	96
31) Cyclohexane	7.979	56	264838	42.250	ug/l	92
32) 1,1,1-Trichloroethane	7.896	97	295351	45.656	ug/l	97
36) 1,1-Dichloropropene	8.102	75	251034	44.866	ug/l	97
37) Ethyl Acetate	7.285	43	115907	52.446	ug/l #	93
38) Carbon Tetrachloride	8.090	117	256316	45.192	ug/l	97
39) Methylcyclohexane	9.349	83	273471	43.857	ug/l	100
40) Benzene	8.343	78	760115	47.138	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	70636	54.857	ug/l	91
42) 1,2-Dichloroethane	8.420	62	220693	49.187	ug/l	96
43) Isopropyl Acetate	8.443	43	224894	55.054	ug/l #	94
44) Trichloroethene	9.108	130	197837	46.008	ug/l	94
45) 1,2-Dichloropropane	9.379	63	196228	48.321	ug/l	99
46) Dibromomethane	9.467	93	106037	47.543	ug/l	94
47) Bromodichloromethane	9.655	83	278252	48.758	ug/l	99
48) Methyl methacrylate	9.449	41	102787	50.013	ug/l #	81
49) 1,4-Dioxane	9.455	88	26482	1149.747	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	595403	280.631	ug/l	93
52) Toluene	10.396	92	489290	48.017	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	252150	48.908	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	293466	47.566	ug/l #	89
55) 1,1,2-Trichloroethane	10.790	97	152962	50.716	ug/l	97
56) Ethyl methacrylate	10.649	69	189419	56.487	ug/l #	86
57) 1,3-Dichloropropane	10.937	76	258371	51.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.931	63	409539	256.446	ug/l	96
59) 2-Hexanone	10.973	43	404863	289.441	ug/l	93
60) Dibromochloromethane	11.131	129	190568	50.673	ug/l	99
61) 1,2-Dibromoethane	11.231	107	147624	51.222	ug/l	98
64) Tetrachloroethene	10.867	164	157345	44.053	ug/l	96
65) Chlorobenzene	11.661	112	518374	46.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	197926	47.705	ug/l	97
67) Ethyl Benzene	11.731	91	922565	46.977	ug/l	100
68) m/p-Xylenes	11.843	106	725624	95.103	ug/l	97
69) o-Xylene	12.167	106	342927	48.925	ug/l	95
70) Styrene	12.184	104	601213	49.855	ug/l	96
71) Bromoform	12.349	173	112295	52.589	ug/l #	98
73) Isopropylbenzene	12.467	105	879541	46.620	ug/l	100
74) N-amyl acetate	12.278	43	216924	52.707	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	181058	52.036	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	144221m	55.542	ug/l	
77) Bromobenzene	12.749	156	211658	47.659	ug/l	94
78) n-propylbenzene	12.808	91	1093639	46.174	ug/l	99
79) 2-Chlorotoluene	12.896	91	641656	46.920	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	753050	47.120	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	52352	48.402	ug/l	86
82) 4-Chlorotoluene	12.990	91	662936	46.249	ug/l	98
83) tert-Butylbenzene	13.208	119	623394	46.283	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	758858	48.065	ug/l	99
85) sec-Butylbenzene	13.384	105	949231	46.155	ug/l	99
86) p-Isopropyltoluene	13.502	119	782500	46.675	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	413624	46.206	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	415304	45.960	ug/l	99
89) n-Butylbenzene	13.825	91	726669	45.491	ug/l	100
90) Hexachloroethane	14.096	117	161616	46.590	ug/l	100
91) 1,2-Dichlorobenzene	13.872	146	374573	48.362	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	28343	53.191	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	206955	47.065	ug/l	100
94) Hexachlorobutadiene	15.249	225	106555	43.002	ug/l	98
95) Naphthalene	15.378	128	420256	48.631	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	191333	49.082	ug/l	99

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

