

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073250.D
 Acq On : 22 May 2022 02:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: May 22 02:32:22 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	305886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	544966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	526474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	250804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	189054	55.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.860%
35) Dibromofluoromethane	7.908	113	191240	53.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.360%
50) Toluene-d8	10.332	98	686741	51.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.620%
62) 4-Bromofluorobenzene	12.620	95	243299	52.299	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	128931	42.182	ug/l	97
3) Chloromethane	2.208	50	149425	43.234	ug/l	96
4) Vinyl Chloride	2.344	62	139483	44.135	ug/l	97
5) Bromomethane	2.755	94	102703	50.751	ug/l	93
6) Chloroethane	2.914	64	91626	47.161	ug/l	99
7) Trichlorofluoromethane	3.261	101	262664	47.003	ug/l	97
8) Diethyl Ether	3.708	74	86998	56.655	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	156718	47.002	ug/l	97
10) Methyl Iodide	4.291	142	177325	49.293	ug/l	99
11) Tert butyl alcohol	5.214	59	66633	127.046	ug/l #	86
12) 1,1-Dichloroethene	4.061	96	149112	48.507	ug/l	89
13) Acrolein	3.926	56	59648	290.887	ug/l	96
14) Allyl chloride	4.702	41	250812	50.546	ug/l	90
15) Acrylonitrile	5.408	53	210850	300.280	ug/l	97
16) Acetone	4.150	43	148898	254.295	ug/l	94
17) Carbon Disulfide	4.397	76	457765	44.920	ug/l	99
18) Methyl Acetate	4.714	43	98105	60.254	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	414894	59.244	ug/l	96
20) Methylene Chloride	4.961	84	201811	54.715	ug/l #	84
21) trans-1,2-Dichloroethene	5.467	96	187465	50.437	ug/l	96
22) Diisopropyl ether	6.355	45	596285	57.325	ug/l	92
23) Vinyl Acetate	6.296	43	1632600	294.247	ug/l	96
24) 1,1-Dichloroethane	6.255	63	356711	53.426	ug/l	98
25) 2-Butanone	7.208	43	249117	290.801	ug/l	93
26) 2,2-Dichloropropane	7.196	77	235019	41.275	ug/l	94
27) cis-1,2-Dichloroethene	7.202	96	224057	54.479	ug/l	88
28) Bromochloromethane	7.538	49	128170	55.720	ug/l #	83
29) Tetrahydrofuran	7.555	42	168591	304.355	ug/l	93
30) Chloroform	7.702	83	372323	53.414	ug/l	99
31) Cyclohexane	7.979	56	259133	43.865	ug/l	88
32) 1,1,1-Trichloroethane	7.896	97	311006	51.013	ug/l	95
36) 1,1-Dichloropropene	8.108	75	250563	46.329	ug/l	95
37) Ethyl Acetate	7.285	43	120353	56.338	ug/l	98
38) Carbon Tetrachloride	8.091	117	260120	47.447	ug/l	98
39) Methylcyclohexane	9.349	83	271090	44.976	ug/l	96
40) Benzene	8.343	78	785587	50.400	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	62696	50.372	ug/l #	81
42) 1,2-Dichloroethane	8.414	62	227054	52.352	ug/l	95
43) Isopropyl Acetate	8.443	43	224866	56.948	ug/l #	93
44) Trichloroethene	9.108	130	206375	49.651	ug/l	92
45) 1,2-Dichloropropane	9.379	63	203507	51.843	ug/l	100
46) Dibromomethane	9.467	93	111901	51.904	ug/l	96
47) Bromodichloromethane	9.655	83	292425	53.011	ug/l	99
48) Methyl methacrylate	9.449	41	106749	53.734	ug/l #	84
49) 1,4-Dioxane	9.455	88	26861	1206.469	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	608684	296.797	ug/l	93
52) Toluene	10.396	92	513061	52.089	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	259693	52.110	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	304965	51.136	ug/l #	88
55) 1,1,2-Trichloroethane	10.790	97	160314	54.989	ug/l	95
56) Ethyl methacrylate	10.655	69	192227	59.303	ug/l	87
57) 1,3-Dichloropropane	10.937	76	264805	54.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	448434	287.627	ug/l	96
59) 2-Hexanone	10.973	43	413538	305.851	ug/l	95
60) Dibromochloromethane	11.126	129	200786	55.233	ug/l	97
61) 1,2-Dibromoethane	11.237	107	153402	55.065	ug/l	100
64) Tetrachloroethene	10.867	164	162866	47.231	ug/l	98
65) Chlorobenzene	11.661	112	540704	50.063	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	210700	52.602	ug/l	99
67) Ethyl Benzene	11.731	91	952810	50.254	ug/l	99
68) m/p-Xylenes	11.843	106	746421	101.331	ug/l	98
69) o-Xylene	12.167	106	355604	52.550	ug/l	95
70) Styrene	12.184	104	623727	53.574	ug/l	97
71) Bromoform	12.349	173	114545	55.563	ug/l #	100
73) Isopropylbenzene	12.467	105	910476	50.923	ug/l	99
74) N-amyl acetate	12.279	43	217716	55.818	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	181072	54.911	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	126758m	51.510	ug/l	
77) Bromobenzene	12.749	156	221386	52.600	ug/l	93
78) n-propylbenzene	12.808	91	1122009	49.986	ug/l	98
79) 2-Chlorotoluene	12.896	91	660028	50.927	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	777483	51.333	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	51487	50.229	ug/l	88
82) 4-Chlorotoluene	12.990	91	696545	51.275	ug/l	99
83) tert-Butylbenzene	13.208	119	644588	50.497	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	788714	52.712	ug/l	99
85) sec-Butylbenzene	13.384	105	970584	49.797	ug/l	99
86) p-Isopropyltoluene	13.502	119	806555	50.764	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	435513	51.336	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	428276	50.010	ug/l	98
89) n-Butylbenzene	13.825	91	744491	49.179	ug/l	100
90) Hexachloroethane	14.096	117	164751	50.114	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	389553	53.071	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	28558	56.552	ug/l	89
93) 1,2,4-Trichlorobenzene	15.137	180	213595	51.255	ug/l	100
94) Hexachlorobutadiene	15.249	225	110908	47.229	ug/l	99
95) Naphthalene	15.378	128	431582	52.401	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	197412	53.435	ug/l	100

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

