

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073402.D
 Acq On : 27 May 2022 10:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

Quant Time: May 28 09:40:43 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	363869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	579501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	551245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	274722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	169243	42.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.180%		
35) Dibromofluoromethane	7.908	113	185801	48.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.180%		
50) Toluene-d8	10.332	98	675172	47.898	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.800%		
62) 4-Bromofluorobenzene	12.620	95	244911	49.508	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	209121	57.516	ug/l	98
3) Chloromethane	2.209	50	197482	48.034	ug/l	97
4) Vinyl Chloride	2.350	62	191998	51.071	ug/l	98
5) Bromomethane	2.762	94	130060	54.312	ug/l	92
6) Chloroethane	2.921	64	115431	49.946	ug/l	97
7) Trichlorofluoromethane	3.268	101	339611	51.088	ug/l	96
8) Diethyl Ether	3.709	74	90089	49.319	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	202484	51.051	ug/l	94
10) Methyl Iodide	4.297	142	218969	51.170	ug/l	98
11) Tert butyl alcohol	5.220	59	61265	98.197	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	189995	51.957	ug/l	86
13) Acrolein	3.915	56	54552	219.226	ug/l	94
14) Allyl chloride	4.715	41	285350	48.343	ug/l #	90
15) Acrylonitrile	5.409	53	198470	237.609	ug/l	97
16) Acetone	4.156	43	176223	253.003	ug/l	94
17) Carbon Disulfide	4.409	76	626625	51.692	ug/l	100
18) Methyl Acetate	4.715	43	89344	46.129	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	406363	48.779	ug/l	98
20) Methylene Chloride	4.956	84	227499	51.624	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	222817	50.395	ug/l	89
22) Diisopropyl ether	6.361	45	603394	48.764	ug/l #	91
23) Vinyl Acetate	6.297	43	1619706	245.405	ug/l #	92
24) 1,1-Dichloroethane	6.256	63	370977	46.708	ug/l	98
25) 2-Butanone	7.203	43	243000	238.459	ug/l #	86
26) 2,2-Dichloropropane	7.203	77	325346	48.033	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	236947	48.433	ug/l	90
28) Bromochloromethane	7.538	49	119626	43.719	ug/l #	80
29) Tetrahydrofuran	7.556	42	154799	234.925	ug/l	91
30) Chloroform	7.697	83	389771	47.007	ug/l	98
31) Cyclohexane	7.979	56	340125	48.401	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	350828	48.375	ug/l	95
36) 1,1-Dichloropropene	8.103	75	303252	52.729	ug/l	95
37) Ethyl Acetate	7.285	43	109707	48.294	ug/l #	96
38) Carbon Tetrachloride	8.091	117	315599	54.136	ug/l	97
39) Methylcyclohexane	9.350	83	361852	56.457	ug/l	94
40) Benzene	8.344	78	855798	51.633	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	66828	50.492	ug/l	92
42) 1,2-Dichloroethane	8.414	62	228368	49.517	ug/l	95
43) Isopropyl Acetate	8.444	43	208647	49.691	ug/l #	92
44) Trichloroethene	9.108	130	235712	53.329	ug/l	93
45) 1,2-Dichloropropane	9.379	63	212594	50.931	ug/l	99
46) Dibromomethane	9.467	93	113228	49.390	ug/l	95
47) Bromodichloromethane	9.655	83	291227	49.647	ug/l #	99
48) Methyl methacrylate	9.450	41	107640	50.954	ug/l	89
49) 1,4-Dioxane	9.455	88	23844	1007.137	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	561086	257.284	ug/l	93
52) Toluene	10.397	92	560984	53.560	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	271062	51.150	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	329234	51.916	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	156416	50.455	ug/l	98
56) Ethyl methacrylate	10.650	69	184653	53.572	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	267790	51.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	411863	251.373	ug/l	94
59) 2-Hexanone	10.973	43	391129	272.038	ug/l	92
60) Dibromochloromethane	11.132	129	195859	50.667	ug/l	99
61) 1,2-Dibromoethane	11.238	107	151456	51.127	ug/l	100
64) Tetrachloroethene	10.867	164	198261	54.912	ug/l	96
65) Chlorobenzene	11.661	112	578349	51.142	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	217827	51.937	ug/l	98
67) Ethyl Benzene	11.738	91	1057651	53.277	ug/l	98
68) m/p-Xylenes	11.844	106	837925	108.641	ug/l	97
69) o-Xylene	12.173	106	379686	53.587	ug/l	96
70) Styrene	12.185	104	658686	54.034	ug/l	97
71) Bromoform	12.349	173	107852	49.965	ug/l #	96
73) Isopropylbenzene	12.467	105	1029469	52.565	ug/l	99
74) N-amyl acetate	12.279	43	210804	49.340	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	172886	47.864	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	146162m	54.224	ug/l	
77) Bromobenzene	12.749	156	232168	50.359	ug/l	91
78) n-propylbenzene	12.808	91	1289481	52.445	ug/l	99
79) 2-Chlorotoluene	12.896	91	716593	50.478	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	876775	52.849	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	56106	49.970	ug/l	87
82) 4-Chlorotoluene	12.991	91	756974	50.872	ug/l	99
83) tert-Butylbenzene	13.208	119	742478	53.102	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	859001	52.412	ug/l	98
85) sec-Butylbenzene	13.391	105	1117312	52.334	ug/l	99
86) p-Isopropyltoluene	13.502	119	925226	53.163	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	462100	49.727	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	458822	48.912	ug/l	99
89) n-Butylbenzene	13.826	91	885037	53.373	ug/l	99
90) Hexachloroethane	14.096	117	181377	50.368	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	403959	50.242	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	24579	44.435	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	239774	52.528	ug/l	99
94) Hexachlorobutadiene	15.249	225	133730	51.989	ug/l	98
95) Naphthalene	15.385	128	417784	46.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	212099	52.412	ug/l	97

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

