

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080422\
 Data File : VD073962.D
 Acq On : 04 Aug 2022 19:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/05/2022
 Supervised By :Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 07:55:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	146539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	246892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	231784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	118448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	59463	49.252	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.500%		
35) Dibromofluoromethane	7.902	113	66646	43.446	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.900%		
50) Toluene-d8	10.332	98	207719	40.200	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.400%		
62) 4-Bromofluorobenzene	12.620	95	83700	44.048	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	63644	49.649	ug/l	98
3) Chloromethane	2.209	50	97085	52.141	ug/l	92
4) Vinyl Chloride	2.344	62	128664	56.033	ug/l	97
5) Bromomethane	2.762	94	81701	50.384	ug/l	99
6) Chloroethane	2.914	64	93043	57.614	ug/l	98
7) Trichlorofluoromethane	3.267	101	126398	51.349	ug/l	99
8) Diethyl Ether	3.703	74	31328	50.567	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	74006	50.717	ug/l	99
10) Methyl Iodide	4.291	142	78485	49.189	ug/l	99
11) Tert butyl alcohol	5.220	59	21180	247.766	ug/l	99
12) 1,1-Dichloroethene	4.067	96	63948	49.461	ug/l	93
13) Acrolein	3.920	56	22365	248.521	ug/l	97
14) Allyl chloride	4.714	41	85272	48.780	ug/l	96
15) Acrylonitrile	5.408	53	70426	265.532	ug/l	99
16) Acetone	4.150	43	53123	189.605	ug/l	99
17) Carbon Disulfide	4.403	76	192688	48.451	ug/l	100
18) Methyl Acetate	4.714	43	33778	53.431	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	157812	50.416	ug/l	97
20) Methylene Chloride	4.956	84	95752	54.044	ug/l	96
21) trans-1,2-Dichloroethene	5.461	96	76918	49.920	ug/l	94
22) Diisopropyl ether	6.361	45	193808	51.064	ug/l	97
23) Vinyl Acetate	6.297	43	553010	275.692	ug/l	100
24) 1,1-Dichloroethane	6.250	63	131354	51.164	ug/l	98
25) 2-Butanone	7.208	43	87235	243.915	ug/l	94
26) 2,2-Dichloropropane	7.202	77	122747	47.285	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	87313	50.334	ug/l	100
28) Bromochloromethane	7.544	49	45709	53.353	ug/l	95
29) Tetrahydrofuran	7.555	42	56096	268.438	ug/l	99
30) Chloroform	7.702	83	150470	51.436	ug/l	98
31) Cyclohexane	7.979	56	108382	47.763	ug/l	95
32) 1,1,1-Trichloroethane	7.891	97	142383	51.117	ug/l	99
36) 1,1-Dichloropropene	8.102	75	108516	49.669	ug/l	100
37) Ethyl Acetate	7.285	43	40046	49.216	ug/l	98
38) Carbon Tetrachloride	8.091	117	122610	50.097	ug/l	99
39) Methylcyclohexane	9.344	83	124254	48.520	ug/l	96
40) Benzene	8.344	78	302549	50.466	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	24906	53.024	ug/l	95
42) 1,2-Dichloroethane	8.414	62	94280	51.238	ug/l	98
43) Isopropyl Acetate	8.449	43	83660	51.922	ug/l	98
44) Trichloroethene	9.102	130	87735	48.578	ug/l	93
45) 1,2-Dichloropropane	9.379	63	71031	49.239	ug/l	100
46) Dibromomethane	9.467	93	47276	50.953	ug/l	98
47) Bromodichloromethane	9.655	83	116743	50.795	ug/l	100
48) Methyl methacrylate	9.449	41	39242	52.189	ug/l	95
49) 1,4-Dioxane	9.455	88	9875	1009.849	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	213384	265.258	ug/l	99
52) Toluene	10.391	92	202284	49.587	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	106304	50.245	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	118004	49.266	ug/l	99
55) 1,1,2-Trichloroethane	10.785	97	61422	51.469	ug/l	97
56) Ethyl methacrylate	10.649	69	68019	50.061	ug/l	99
57) 1,3-Dichloropropane	10.932	76	100829	52.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	139769	268.803	ug/l	99
59) 2-Hexanone	10.973	43	142351	261.504	ug/l	99
60) Dibromochloromethane	11.132	129	80780	50.170	ug/l	99
61) 1,2-Dibromoethane	11.238	107	59574	49.251	ug/l	97
64) Tetrachloroethene	10.867	164	70795	42.918	ug/l	94
65) Chlorobenzene	11.655	112	215966	47.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	83195	47.267	ug/l	96
67) Ethyl Benzene	11.732	91	389134	47.948	ug/l	99
68) m/p-Xylenes	11.838	106	313585	97.469	ug/l	96
69) o-Xylene	12.167	106	143843	47.736	ug/l	100
70) Styrene	12.179	104	252968	49.703	ug/l	100
71) Bromoform	12.343	173	50260	51.991	ug/l #	100
73) Isopropylbenzene	12.467	105	386171	47.283	ug/l	98
74) N-amyl acetate	12.273	43	78818	48.192	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	69020	49.609	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	35772m	39.548	ug/l	
77) Bromobenzene	12.749	156	88169	45.860	ug/l	96
78) n-propylbenzene	12.808	91	472641	47.587	ug/l	98
79) 2-Chlorotoluene	12.890	91	262317	46.169	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	328482	47.341	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	20434	49.494	ug/l	94
82) 4-Chlorotoluene	12.990	91	280159	47.040	ug/l	100
83) tert-Butylbenzene	13.208	119	284858	47.150	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	328853	47.975	ug/l	99
85) sec-Butylbenzene	13.385	105	432161	47.275	ug/l	100
86) p-Isopropyltoluene	13.496	119	363865	47.386	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	183167	45.622	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	183408	46.118	ug/l	100
89) n-Butylbenzene	13.826	91	330968	46.745	ug/l	99
90) Hexachloroethane	14.090	117	67831	48.205	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	158759	46.249	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	10632	44.865	ug/l	93
93) 1,2,4-Trichlorobenzene	15.137	180	92048	43.122	ug/l	98
94) Hexachlorobutadiene	15.243	225	50100	43.201	ug/l	98
95) Naphthalene	15.379	128	182137	46.716	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	81461	44.150	ug/l	99

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

