

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073315.D
 Acq On : 24 May 2022 07:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 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 24 08:19:00 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	308353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	539666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	517170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186713	54.791	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.580%			
35) Dibromofluoromethane	7.908	113	190696	53.550	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.100%			
50) Toluene-d8	10.332	98	698375	53.201	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.400%			
62) 4-Bromofluorobenzene	12.620	95	257496	55.895	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	126207	40.961	ug/l	97
3) Chloromethane	2.209	50	147258	42.266	ug/l	97
4) Vinyl Chloride	2.344	62	142353	44.683	ug/l	96
5) Bromomethane	2.762	94	104922	51.492	ug/l	99
6) Chloroethane	2.920	64	95287	48.653	ug/l	97
7) Trichlorofluoromethane	3.273	101	264898	47.023	ug/l	98
8) Diethyl Ether	3.714	74	87025	56.219	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.085	101	155174	46.167	ug/l	97
10) Methyl Iodide	4.297	142	182867	50.427	ug/l	96
11) Tert butyl alcohol	5.203	59	103186	195.165	ug/l #	89
12) 1,1-Dichloroethene	4.061	96	150576	48.591	ug/l	90
13) Acrolein	3.920	56	49367	235.404	ug/l	99
14) Allyl chloride	4.708	41	253125	50.604	ug/l	92
15) Acrylonitrile	5.414	53	228600	322.954	ug/l	94
16) Acetone	4.156	43	158171	267.971	ug/l #	89
17) Carbon Disulfide	4.409	76	430786	41.935	ug/l	97
18) Methyl Acetate	4.714	43	102205	62.270	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	422122	59.793	ug/l	95
20) Methylene Chloride	4.961	84	240059	65.345	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	193104	51.538	ug/l	87
22) Diisopropyl ether	6.355	45	599223	57.146	ug/l	95
23) Vinyl Acetate	6.303	43	1682734	300.857	ug/l #	93
24) 1,1-Dichloroethane	6.255	63	356612	52.984	ug/l	98
25) 2-Butanone	7.208	43	265123	307.009	ug/l	93
26) 2,2-Dichloropropane	7.202	77	241261	42.032	ug/l	94
27) cis-1,2-Dichloroethene	7.202	96	221130	53.338	ug/l	91
28) Bromochloromethane	7.538	49	123162	53.115	ug/l #	82
29) Tetrahydrofuran	7.561	42	174108	311.800	ug/l	92
30) Chloroform	7.702	83	377896	53.780	ug/l	99
31) Cyclohexane	7.979	56	256969	43.151	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	316432	51.488	ug/l	96
36) 1,1-Dichloropropene	8.102	75	259622	48.475	ug/l	96
37) Ethyl Acetate	7.285	43	119495	56.485	ug/l #	94
38) Carbon Tetrachloride	8.091	117	267956	49.356	ug/l	95
39) Methylcyclohexane	9.349	83	271048	45.411	ug/l	96
40) Benzene	8.344	78	795062	51.509	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	75099	60.929	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	230019	53.556	ug/l	94
43) Isopropyl Acetate	8.444	43	233913	59.821	ug/l #	94
44) Trichloroethene	9.108	130	206851	50.254	ug/l	98
45) 1,2-Dichloropropane	9.379	63	207470	53.372	ug/l	96
46) Dibromomethane	9.467	93	115676	54.182	ug/l	97
47) Bromodichloromethane	9.655	83	294136	53.845	ug/l	98
48) Methyl methacrylate	9.449	41	109424	55.622	ug/l #	82
49) 1,4-Dioxane	9.455	88	27236	1235.327	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	638353	314.320	ug/l	93
52) Toluene	10.396	92	516845	52.988	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	266758	54.053	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	308972	52.317	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	164154	56.860	ug/l	97
56) Ethyl methacrylate	10.649	69	202476	63.079	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	274693	56.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	424574	275.947	ug/l	95
59) 2-Hexanone	10.973	43	431044	321.929	ug/l	93
60) Dibromochloromethane	11.132	129	205737	57.151	ug/l	100
61) 1,2-Dibromoethane	11.238	107	157023	56.918	ug/l	97
64) Tetrachloroethene	10.867	164	167682	49.503	ug/l	97
65) Chlorobenzene	11.661	112	552686	52.093	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	214846	54.602	ug/l	98
67) Ethyl Benzene	11.738	91	982398	52.747	ug/l	99
68) m/p-Xylenes	11.843	106	769128	106.292	ug/l	98
69) o-Xylene	12.167	106	361179	54.334	ug/l	97
70) Styrene	12.185	104	639158	55.887	ug/l	96
71) Bromoform	12.349	173	117641	58.091	ug/l #	99
73) Isopropylbenzene	12.467	105	946874	53.365	ug/l	100
74) N-amyl acetate	12.279	43	228192	58.953	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	190650	58.260	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	135449m	55.465	ug/l	
77) Bromobenzene	12.749	156	223928	53.612	ug/l	94
78) n-propylbenzene	12.808	91	1164774	52.290	ug/l	99
79) 2-Chlorotoluene	12.896	91	681182	52.963	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	805398	53.584	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	53726	52.816	ug/l	89
82) 4-Chlorotoluene	12.990	91	723675	53.681	ug/l	99
83) tert-Butylbenzene	13.208	119	684769	54.057	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	809731	54.533	ug/l	99
85) sec-Butylbenzene	13.390	105	1019741	52.721	ug/l	100
86) p-Isopropyltoluene	13.502	119	841652	53.380	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	442133	52.516	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	441379	51.936	ug/l	99
89) n-Butylbenzene	13.826	91	777579	51.759	ug/l	99
90) Hexachloroethane	14.096	117	170452	52.246	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	397518	54.572	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	28601	57.072	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	226423	54.751	ug/l	100
94) Hexachlorobutadiene	15.249	225	116123	49.829	ug/l	98
95) Naphthalene	15.384	128	456748	55.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	204120	55.675	ug/l	99

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

