

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072984.D
 Acq On : 13 May 2022 09:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 09:42:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	282448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	484584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	468139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	230321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166367	45.376	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.760%			
35) Dibromofluoromethane	7.909	113	174281	51.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.420%			
50) Toluene-d8	10.332	98	619844	50.774	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.620	95	231855	50.935	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	137271	35.170	ug/l	97
3) Chloromethane	2.209	50	147462	36.329	ug/l	95
4) Vinyl Chloride	2.350	62	138011	37.892	ug/l	95
5) Bromomethane	2.768	94	102237	45.495	ug/l	95
6) Chloroethane	2.921	64	91053	40.111	ug/l	90
7) Trichlorofluoromethane	3.273	101	254499	39.903	ug/l	98
8) Diethyl Ether	3.709	74	76172	41.659	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	148325	39.172	ug/l	97
10) Methyl Iodide	4.303	142	156319	41.137	ug/l	99
11) Tert butyl alcohol	5.203	59	74285	234.175	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	142166	41.742	ug/l	92
13) Acrolein	3.915	56	13286	46.585	ug/l	96
14) Allyl chloride	4.709	41	236986	43.099	ug/l	90
15) Acrylonitrile	5.415	53	175804	202.311	ug/l	97
16) Acetone	4.156	43	127516	182.027	ug/l	90
17) Carbon Disulfide	4.409	76	417942	39.028	ug/l	97
18) Methyl Acetate	4.720	43	101128	50.692	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	354469	43.415	ug/l	98
20) Methylene Chloride	4.962	84	207403	46.904	ug/l	85
21) trans-1,2-Dichloroethene	5.473	96	177914	45.549	ug/l	91
22) Diisopropyl ether	6.362	45	537733	44.456	ug/l	92
23) Vinyl Acetate	6.303	43	1321280	197.740	ug/l	95
24) 1,1-Dichloroethane	6.262	63	322863	44.427	ug/l	99
25) 2-Butanone	7.209	43	204732	191.648	ug/l	98
26) 2,2-Dichloropropane	7.203	77	232925	37.913	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	201949	45.142	ug/l	90
28) Bromochloromethane	7.544	49	132599	48.929	ug/l #	81
29) Tetrahydrofuran	7.562	42	137132	201.392	ug/l	93
30) Chloroform	7.709	83	347975	45.253	ug/l	99
31) Cyclohexane	7.979	56	235462	36.738	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	290688	44.356	ug/l	97
36) 1,1-Dichloropropene	8.109	75	240771	43.509	ug/l	97
37) Ethyl Acetate	7.291	43	95122	37.392	ug/l #	97
38) Carbon Tetrachloride	8.091	117	252931	44.031	ug/l	97
39) Methylcyclohexane	9.350	83	246666	38.428	ug/l	96
40) Benzene	8.350	78	719005	44.992	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	55937	36.928	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	204439	42.452	ug/l	96
43) Isopropyl Acetate	8.450	43	184728	39.343	ug/l #	91
44) Trichloroethene	9.108	130	190644	44.591	ug/l	93
45) 1,2-Dichloropropane	9.379	63	184940	44.066	ug/l	97
46) Dibromomethane	9.467	93	100444	43.387	ug/l	99
47) Bromodichloromethane	9.656	83	267440	44.906	ug/l #	94
48) Methyl methacrylate	9.450	41	94064	40.950	ug/l #	86
49) 1,4-Dioxane	9.456	88	20169	773.655	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	496355	203.435	ug/l	94
52) Toluene	10.397	92	463977	46.543	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	226100	41.332	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	267246	42.050	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	139541	44.587	ug/l	98
56) Ethyl methacrylate	10.650	69	163062	44.252	ug/l	86
57) 1,3-Dichloropropane	10.938	76	233474	43.472	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	432545	242.109	ug/l	95
59) 2-Hexanone	10.973	43	334092	203.497	ug/l	96
60) Dibromochloromethane	11.132	129	176055	44.687	ug/l	99
61) 1,2-Dibromoethane	11.238	107	133719	43.897	ug/l	99
64) Tetrachloroethene	10.867	164	150648	44.015	ug/l	98
65) Chlorobenzene	11.661	112	489865	45.242	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	193313	47.506	ug/l	99
67) Ethyl Benzene	11.738	91	899412	47.997	ug/l	98
68) m/p-Xylenes	11.844	106	693327	96.052	ug/l	98
69) o-Xylene	12.173	106	325108	48.226	ug/l	95
70) Styrene	12.185	104	571347	48.917	ug/l	97
71) Bromoform	12.349	173	97852	44.370	ug/l #	99
73) Isopropylbenzene	12.467	105	851043	47.492	ug/l	99
74) N-amyl acetate	12.279	43	171759	38.489	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	155482	42.983	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	107024m	41.672	ug/l	
77) Bromobenzene	12.749	156	196564	46.193	ug/l	93
78) n-propylbenzene	12.808	91	1059408	46.908	ug/l	99
79) 2-Chlorotoluene	12.897	91	618435	46.876	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	724435	47.677	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	42959	38.465	ug/l	91
82) 4-Chlorotoluene	12.991	91	636484	46.174	ug/l	98
83) tert-Butylbenzene	13.208	119	622875	48.217	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	728388	47.958	ug/l	99
85) sec-Butylbenzene	13.391	105	922986	47.373	ug/l	100
86) p-Isopropyltoluene	13.502	119	762641	47.742	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	400717	46.746	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	390926	45.794	ug/l	99
89) n-Butylbenzene	13.826	91	714120	46.148	ug/l	99
90) Hexachloroethane	14.096	117	157411	48.101	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	341272	45.681	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	22521	39.275	ug/l	86
93) 1,2,4-Trichlorobenzene	15.143	180	198503	44.865	ug/l	98
94) Hexachlorobutadiene	15.249	225	103648	42.895	ug/l	98
95) Naphthalene	15.385	128	361022	44.381	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	177124	45.161	ug/l	99

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

