

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072204.D
 Acq On : 15 Mar 2022 22:55
 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 : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 16 01:04:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	480988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	797717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	732892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	368316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	292956	54.653	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.300%			
35) Dibromofluoromethane	7.909	113	291172	51.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.740%			
50) Toluene-d8	10.332	98	1055043	51.400	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.620	95	398671	49.987	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	197527	44.400	ug/l	98
3) Chloromethane	2.209	50	219652	55.562	ug/l	96
4) Vinyl Chloride	2.344	62	201094	52.698	ug/l	96
5) Bromomethane	2.762	94	137344	55.272	ug/l	97
6) Chloroethane	2.915	64	139813	55.416	ug/l	98
7) Trichlorofluoromethane	3.268	101	399759	46.388	ug/l	97
8) Diethyl Ether	3.703	74	134409	56.473	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	257565	46.874	ug/l	96
10) Methyl Iodide	4.297	142	223293	45.565	ug/l	97
11) Tert butyl alcohol	5.220	59	88510	284.782	ug/l	99
12) 1,1-Dichloroethene	4.062	96	224781	50.848	ug/l	96
13) Acrolein	3.921	56	66921	241.303	ug/l	98
14) Allyl chloride	4.715	41	425093	54.999	ug/l	93
15) Acrylonitrile	5.415	53	359664	299.488	ug/l	98
16) Acetone	4.150	43	267453	229.803	ug/l	93
17) Carbon Disulfide	4.409	76	524197	50.818	ug/l	99
18) Methyl Acetate	4.715	43	162323	56.913	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	686238	57.114	ug/l	96
20) Methylene Chloride	4.956	84	316861	55.744	ug/l	89
21) trans-1,2-Dichloroethene	5.468	96	268468	54.907	ug/l	92
22) Diisopropyl ether	6.362	45	1001215	56.793	ug/l	92
23) Vinyl Acetate	6.303	43	2739728	304.511	ug/l	96
24) 1,1-Dichloroethane	6.262	63	549601	52.862	ug/l	99
25) 2-Butanone	7.209	43	433284	279.221	ug/l	95
26) 2,2-Dichloropropane	7.203	77	429662	45.801	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	334953	53.658	ug/l	94
28) Bromochloromethane	7.544	49	239913	57.319	ug/l	86
29) Tetrahydrofuran	7.556	42	288451	316.126	ug/l	94
30) Chloroform	7.703	83	569898	51.452	ug/l	98
31) Cyclohexane	7.979	56	415041	49.559	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	479202	48.712	ug/l	97
36) 1,1-Dichloropropene	8.109	75	385109	48.902	ug/l	97
37) Ethyl Acetate	7.291	43	206400	59.832	ug/l #	96
38) Carbon Tetrachloride	8.091	117	403889	45.118	ug/l	99
39) Methylcyclohexane	9.350	83	453362	51.159	ug/l	97
40) Benzene	8.350	78	1160307	51.645	ug/l	98

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41) Methacrylonitrile	7.514	41	125712	62.523	ug/l	95
42) 1,2-Dichloroethane	8.420	62	354727	52.048	ug/l	96
43) Isopropyl Acetate	8.444	43	395109	59.010	ug/l	96
44) Trichloroethene	9.108	130	314526	49.868	ug/l	90
45) 1,2-Dichloropropane	9.379	63	314604	51.059	ug/l	98
46) Dibromomethane	9.473	93	163384	53.906	ug/l	94
47) Bromodichloromethane	9.656	83	440499	49.854	ug/l	97
48) Methyl methacrylate	9.450	41	184510	57.712	ug/l	88
49) 1,4-Dioxane	9.450	88	40704	1119.906	ug/l #	90
51) 4-Methyl-2-Pentanone	10.220	43	1039395	295.561	ug/l	94
52) Toluene	10.397	92	759906	51.401	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	415904	51.519	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	487949	52.286	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	243334	52.702	ug/l	96
56) Ethyl methacrylate	10.655	69	320577	59.278	ug/l #	89
57) 1,3-Dichloropropane	10.938	76	413124	53.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	640024	263.211	ug/l	97
59) 2-Hexanone	10.979	43	708184	291.570	ug/l	97
60) Dibromochloromethane	11.132	129	298785	49.870	ug/l	100
61) 1,2-Dibromoethane	11.238	107	220985	52.967	ug/l	98
64) Tetrachloroethene	10.873	164	246566	47.749	ug/l	95
65) Chlorobenzene	11.661	112	818215	50.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	311106	48.420	ug/l	99
67) Ethyl Benzene	11.738	91	1450080	49.969	ug/l	100
68) m/p-Xylenes	11.844	106	1115458	101.229	ug/l	99
69) o-Xylene	12.173	106	539373	51.174	ug/l	96
70) Styrene	12.185	104	941246	51.140	ug/l	98
71) Bromoform	12.350	173	179816	52.392	ug/l #	100
73) Isopropylbenzene	12.467	105	1449854	49.674	ug/l	99
74) N-amyl acetate	12.279	43	371620	59.247	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	282849	54.185	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	211779m	52.126	ug/l	
77) Bromobenzene	12.749	156	339045	51.610	ug/l	92
78) n-propylbenzene	12.808	91	1742570	49.152	ug/l	98
79) 2-Chlorotoluene	12.897	91	1026345	50.065	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1221369	48.709	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	89637	54.740	ug/l	89
82) 4-Chlorotoluene	12.997	91	1052463	49.583	ug/l	99
83) tert-Butylbenzene	13.214	119	1080534	49.152	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	1206973	48.852	ug/l	100
85) sec-Butylbenzene	13.391	105	1566420	47.448	ug/l	99
86) p-Isopropyltoluene	13.502	119	1317907	48.514	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	661227	48.027	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	659268	48.289	ug/l	99
89) n-Butylbenzene	13.832	91	1225214	47.318	ug/l	98
90) Hexachloroethane	14.096	117	251898	47.311	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	590845	49.222	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	45121	54.162	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	380949	47.935	ug/l	100
94) Hexachlorobutadiene	15.249	225	204432	44.222	ug/l	98
95) Naphthalene	15.385	128	741280	54.111	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	335713	48.802	ug/l	99

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

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