

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072280.D
 Acq On : 18 Mar 2022 09:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 18 09:51:13 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	7.979	168	306479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	534471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	498214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	250948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207722	60.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.640%			
35) Dibromofluoromethane	7.914	113	203348	54.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.140%			
50) Toluene-d8	10.338	98	734026	53.374	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.740%			
62) 4-Bromofluorobenzene	12.626	95	265002	49.592	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	127684	45.043	ug/l	96
3) Chloromethane	2.209	50	158302	62.844	ug/l	98
4) Vinyl Chloride	2.350	62	145918	60.012	ug/l	98
5) Bromomethane	2.768	94	102909	64.996	ug/l	97
6) Chloroethane	2.921	64	104496	65.001	ug/l	96
7) Trichlorofluoromethane	3.273	101	275453	50.164	ug/l	98
8) Diethyl Ether	3.709	74	89104	58.755	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	171383	48.949	ug/l	96
10) Methyl Iodide	4.303	142	147276	47.087	ug/l	99
11) Tert butyl alcohol	5.226	59	52394	264.567	ug/l	96
12) 1,1-Dichloroethene	4.068	96	155365	55.157	ug/l	94
13) Acrolein	3.926	56	28475	161.138	ug/l	95
14) Allyl chloride	4.715	41	289182	58.719	ug/l	95
15) Acrylonitrile	5.415	53	240082	313.745	ug/l	97
16) Acetone	4.156	43	174573	235.406	ug/l	93
17) Carbon Disulfide	4.409	76	365994	55.540	ug/l	99
18) Methyl Acetate	4.715	43	130609	71.869	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	456723	59.656	ug/l	99
20) Methylene Chloride	4.967	84	222992	62.338	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	188305	60.441	ug/l	94
22) Diisopropyl ether	6.362	45	691866	61.591	ug/l	94
23) Vinyl Acetate	6.309	43	1769442	308.649	ug/l	96
24) 1,1-Dichloroethane	6.267	63	394080	59.485	ug/l	99
25) 2-Butanone	7.209	43	285107	288.348	ug/l	94
26) 2,2-Dichloropropane	7.209	77	267549	44.760	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	236446	59.445	ug/l	93
28) Bromochloromethane	7.544	49	167687	62.875	ug/l	88
29) Tetrahydrofuran	7.561	42	187649	322.751	ug/l	94
30) Chloroform	7.709	83	421309	59.695	ug/l	100
31) Cyclohexane	7.991	56	277351	51.975	ug/l	100
32) 1,1,1-Trichloroethane	7.903	97	343504	54.800	ug/l	98
36) 1,1-Dichloropropene	8.108	75	271381	51.434	ug/l	97
37) Ethyl Acetate	7.291	43	131687	56.976	ug/l	97
38) Carbon Tetrachloride	8.097	117	292643	48.793	ug/l	98
39) Methylcyclohexane	9.355	83	285542	48.092	ug/l	100
40) Benzene	8.350	78	842701	55.983	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	89433	66.387	ug/l	96
42) 1,2-Dichloroethane	8.420	62	257156	56.316	ug/l	97
43) Isopropyl Acetate	8.450	43	249604	55.640	ug/l	95
44) Trichloroethene	9.108	130	217489	51.467	ug/l	98
45) 1,2-Dichloropropane	9.385	63	224664	54.421	ug/l	97
46) Dibromomethane	9.467	93	120205	59.193	ug/l	95
47) Bromodichloromethane	9.655	83	319611	53.988	ug/l	98
48) Methyl methacrylate	9.450	41	121154	56.560	ug/l #	84
49) 1,4-Dioxane	9.455	88	27003	1108.872	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	695302	295.097	ug/l	94
52) Toluene	10.397	92	542673	54.787	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	282242	52.182	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	334183	53.447	ug/l	91
55) 1,1,2-Trichloroethane	10.797	97	170864	55.233	ug/l	98
56) Ethyl methacrylate	10.655	69	210024	57.964	ug/l	90
57) 1,3-Dichloropropane	10.938	76	297226	57.249	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	435527	267.330	ug/l	98
59) 2-Hexanone	10.979	43	464910	285.687	ug/l	95
60) Dibromochloromethane	11.138	129	217586	54.205	ug/l	98
61) 1,2-Dibromoethane	11.238	107	158376	56.657	ug/l	99
64) Tetrachloroethene	10.873	164	176063	50.156	ug/l	98
65) Chlorobenzene	11.661	112	585776	53.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	226758	51.917	ug/l	98
67) Ethyl Benzene	11.738	91	1039741	52.706	ug/l	99
68) m/p-Xylenes	11.844	106	788960	105.324	ug/l	100
69) o-Xylene	12.173	106	378670	52.850	ug/l	98
70) Styrene	12.185	104	675509	53.990	ug/l	99
71) Bromoform	12.349	173	128908	55.251	ug/l #	96
73) Isopropylbenzene	12.473	105	1021962	51.390	ug/l	99
74) N-amyl acetate	12.279	43	235181	55.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	194295	54.629	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	155285m	56.096	ug/l	
77) Bromobenzene	12.749	156	236994	52.948	ug/l	94
78) n-propylbenzene	12.808	91	1220794	50.540	ug/l	99
79) 2-Chlorotoluene	12.896	91	726942	52.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	849121	49.702	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	53782	48.204	ug/l	94
82) 4-Chlorotoluene	12.996	91	739591	51.139	ug/l	99
83) tert-Butylbenzene	13.214	119	738319	49.293	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	850274	50.511	ug/l	100
85) sec-Butylbenzene	13.391	105	1098011	48.815	ug/l	99
86) p-Isopropyltoluene	13.502	119	889436	48.054	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	467890	49.878	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	458445	49.284	ug/l	98
89) n-Butylbenzene	13.832	91	800232	45.359	ug/l	100
90) Hexachloroethane	14.096	117	179524	49.488	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	422780	51.693	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30590	53.893	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	239972	44.318	ug/l	99
94) Hexachlorobutadiene	15.249	225	130176	41.329	ug/l	99
95) Naphthalene	15.385	128	490560	52.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	224424	47.883	ug/l	99

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

