

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073070.D
 Acq On : 17 May 2022 21:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 05:11:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	299404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	507174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	493309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	234439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	172296	46.016	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.040%		
35) Dibromofluoromethane	7.908	113	170269	47.816	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.640%		
50) Toluene-d8	10.332	98	645526	49.970	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.620	95	226439	48.395	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	149553	39.946	ug/l	100
3) Chloromethane	2.209	50	170215	44.101	ug/l	97
4) Vinyl Chloride	2.344	62	158761	44.725	ug/l	95
5) Bromomethane	2.762	94	109559	43.455	ug/l	98
6) Chloroethane	2.915	64	102451	46.348	ug/l	96
7) Trichlorofluoromethane	3.267	101	289330	44.541	ug/l	95
8) Diethyl Ether	3.709	74	84592	47.591	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	173062	44.989	ug/l	96
10) Methyl Iodide	4.297	142	200415	45.216	ug/l	98
11) Tert butyl alcohol	5.214	59	91535m	158.051	ug/l	
12) 1,1-Dichloroethene	4.056	96	163200	46.917	ug/l	85
13) Acrolein	3.920	56	72763	208.136	ug/l	98
14) Allyl chloride	4.709	41	271003	49.174	ug/l	90
15) Acrylonitrile	5.409	53	201730	236.799	ug/l	98
16) Acetone	4.156	43	142183	209.839	ug/l	95
17) Carbon Disulfide	4.409	76	545771	46.845	ug/l	97
18) Methyl Acetate	4.714	43	92205	45.208	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	403047	49.545	ug/l	99
20) Methylene Chloride	4.962	84	220112	44.758	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	204325	49.380	ug/l	87
22) Diisopropyl ether	6.361	45	601707	50.866	ug/l	92
23) Vinyl Acetate	6.303	43	1624353	254.185	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	357104	48.524	ug/l	99
25) 2-Butanone	7.208	43	240006	233.917	ug/l	97
26) 2,2-Dichloropropane	7.203	77	282700	45.373	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	226019	49.533	ug/l	92
28) Bromochloromethane	7.544	49	125061	49.609	ug/l #	83
29) Tetrahydrofuran	7.561	42	161274	244.273	ug/l	93
30) Chloroform	7.703	83	382252	48.544	ug/l	96
31) Cyclohexane	7.979	56	304804	45.194	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	321605	47.673	ug/l	97
36) 1,1-Dichloropropene	8.108	75	279263	48.131	ug/l	97
37) Ethyl Acetate	7.291	43	118405	48.591	ug/l	97
38) Carbon Tetrachloride	8.091	117	283941	47.832	ug/l	98
39) Methylcyclohexane	9.350	83	315593	46.646	ug/l	98
40) Benzene	8.344	78	825019	49.728	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	67992	49.483	ug/l	94
42) 1,2-Dichloroethane	8.420	62	231489	47.937	ug/l	97
43) Isopropyl Acetate	8.444	43	219196	48.383	ug/l #	93
44) Trichloroethene	9.108	130	213607	47.601	ug/l	96
45) 1,2-Dichloropropane	9.379	63	207071	48.062	ug/l	98
46) Dibromomethane	9.467	93	110617	46.432	ug/l	97
47) Bromodichloromethane	9.655	83	292315	48.311	ug/l	97
48) Methyl methacrylate	9.450	41	111550	49.640	ug/l	89
49) 1,4-Dioxane	9.455	88	24934	1005.285	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	578978	244.889	ug/l	93
52) Toluene	10.397	92	529906	50.309	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	264247	47.884	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	314015	48.262	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	152127	46.783	ug/l	96
56) Ethyl methacrylate	10.649	69	188510	51.260	ug/l	86
57) 1,3-Dichloropropane	10.938	76	264185	47.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	411111	213.582	ug/l	96
59) 2-Hexanone	10.973	43	384345	246.090	ug/l	92
60) Dibromochloromethane	11.126	129	196949	48.751	ug/l	98
61) 1,2-Dibromoethane	11.232	107	149067	47.640	ug/l	99
64) Tetrachloroethene	10.867	164	173347	47.963	ug/l	95
65) Chlorobenzene	11.661	112	555120	49.629	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	205459	48.085	ug/l	99
67) Ethyl Benzene	11.732	91	1000870	51.391	ug/l	99
68) m/p-Xylenes	11.844	106	785803	104.105	ug/l	99
69) o-Xylene	12.173	106	361886	51.989	ug/l	97
70) Styrene	12.185	104	631835	51.969	ug/l	98
71) Bromoform	12.349	173	109258	48.567	ug/l #	99
73) Isopropylbenzene	12.467	105	946412	53.258	ug/l	100
74) N-amyl acetate	12.273	43	215109	51.798	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	169877	48.490	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	123445m	46.580	ug/l	
77) Bromobenzene	12.749	156	215982	50.939	ug/l	95
78) n-propylbenzene	12.808	91	1208038	54.134	ug/l	100
79) 2-Chlorotoluene	12.896	91	692273	53.251	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	819357	54.123	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	53279	48.205	ug/l	91
82) 4-Chlorotoluene	12.991	91	725234	52.711	ug/l	99
83) tert-Butylbenzene	13.208	119	666137	51.948	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	819482	54.409	ug/l	98
85) sec-Butylbenzene	13.385	105	1043937	53.633	ug/l	99
86) p-Isopropyltoluene	13.502	119	853280	53.895	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	445136	51.079	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	439013	50.979	ug/l	99
89) n-Butylbenzene	13.826	91	821260	53.339	ug/l	100
90) Hexachloroethane	14.096	117	171985	52.279	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	388143	51.352	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	26096	47.922	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	227225	52.689	ug/l	99
94) Hexachlorobutadiene	15.249	225	119733	49.740	ug/l	97
95) Naphthalene	15.379	128	425053	46.832	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	197854	51.675	ug/l	99

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

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