

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073938.D
 Acq On : 03 Aug 2022 11:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 04 02:49:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

08/04/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	173421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	287059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	268235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	143721	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	75121	52.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.840%
35) Dibromofluoromethane	7.903	113	80781	45.292	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.580%
50) Toluene-d8	10.326	98	261178	43.473	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.940%
62) 4-Bromofluorobenzene	12.614	95	104822	47.445	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	74930	49.388	ug/l	98
3) Chloromethane	2.209	50	109787	49.823	ug/l	95
4) Vinyl Chloride	2.344	62	154675	56.919	ug/l	99
5) Bromomethane	2.756	94	101374	52.826	ug/l	100
6) Chloroethane	2.915	64	102665	53.718	ug/l	98
7) Trichlorofluoromethane	3.262	101	139589	47.917	ug/l	98
8) Diethyl Ether	3.703	74	35047	47.801	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	80917	46.858	ug/l	99
10) Methyl Iodide	4.291	142	85090	45.062	ug/l	98
11) Tert butyl alcohol	5.220	59	27056	269.281	ug/l	97
12) 1,1-Dichloroethene	4.062	96	72084	47.112	ug/l	97
13) Acrolein	3.920	56	26658	250.121	ug/l	98
14) Allyl chloride	4.709	41	96139	46.472	ug/l	99
15) Acrylonitrile	5.415	53	73998	235.752	ug/l	97
16) Acetone	4.156	43	91846	286.468	ug/l	97
17) Carbon Disulfide	4.403	76	225217	47.874	ug/l	100
18) Methyl Acetate	4.709	43	36453	48.231	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	179511	48.459	ug/l	94
20) Methylene Chloride	4.950	84	93369	41.942	ug/l	94
21) trans-1,2-Dichloroethene	5.456	96	88709	48.648	ug/l	96
22) Diisopropyl ether	6.356	45	214302	47.711	ug/l	98
23) Vinyl Acetate	6.297	43	596168m	251.137	ug/l	
24) 1,1-Dichloroethane	6.250	63	143502	47.231	ug/l	98
25) 2-Butanone	7.203	43	112217	265.129	ug/l	92
26) 2,2-Dichloropropane	7.203	77	140320	45.676	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	95508	46.524	ug/l	99
28) Bromochloromethane	7.538	49	50697	50.002	ug/l	100
29) Tetrahydrofuran	7.556	42	61450	248.477	ug/l	99
30) Chloroform	7.703	83	164053	47.386	ug/l	100
31) Cyclohexane	7.979	56	124068	46.200	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	152956	46.401	ug/l	100
36) 1,1-Dichloropropene	8.103	75	122178	48.097	ug/l	99
37) Ethyl Acetate	7.285	43	45945	48.565	ug/l	96
38) Carbon Tetrachloride	8.085	117	135031	47.452	ug/l	99
39) Methylcyclohexane	9.344	83	140766	47.276	ug/l	100
40) Benzene	8.344	78	329397	47.256	ug/l	99

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41) Methacrylonitrile	7.514	41	27399m	50.170	ug/l	
42) 1,2-Dichloroethane	8.414	62	101531	47.458	ug/l	98
43) Isopropyl Acetate	8.444	43	90630	48.378	ug/l	98
44) Trichloroethene	9.103	130	95509	45.483	ug/l	95
45) 1,2-Dichloropropane	9.379	63	78704	46.924	ug/l	99
46) Dibromomethane	9.461	93	52661	48.815	ug/l	96
47) Bromodichloromethane	9.650	83	126783	47.445	ug/l	100
48) Methyl methacrylate	9.444	41	42524	48.640	ug/l	93
49) 1,4-Dioxane	9.450	88	10677	939.084	ug/l	97
51) 4-Methyl-2-Pentanone	10.214	43	230463	246.402	ug/l	100
52) Toluene	10.391	92	225539	47.551	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	113537	46.155	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	132205	47.472	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	65576	47.261	ug/l	96
56) Ethyl methacrylate	10.650	69	76999	48.740	ug/l	99
57) 1,3-Dichloropropane	10.932	76	107334	47.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	155376	257.006	ug/l	99
59) 2-Hexanone	10.973	43	170227	268.956	ug/l	98
60) Dibromochloromethane	11.126	129	88866	47.469	ug/l	97
61) 1,2-Dibromoethane	11.232	107	67278	47.838	ug/l	100
64) Tetrachloroethene	10.867	164	81698	42.798	ug/l	98
65) Chlorobenzene	11.655	112	240100	45.152	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	92949	45.632	ug/l	99
67) Ethyl Benzene	11.732	91	436183	46.442	ug/l	98
68) m/p-Xylenes	11.838	106	353034	94.819	ug/l	98
69) o-Xylene	12.167	106	159210	45.656	ug/l	96
70) Styrene	12.179	104	282789	48.012	ug/l	99
71) Bromoform	12.344	173	53531	47.850	ug/l #	97
73) Isopropylbenzene	12.467	105	433753	43.770	ug/l	100
74) N-amyl acetate	12.273	43	87038	43.860	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	76736	45.456	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	48031m	44.068	ug/l	
77) Bromobenzene	12.744	156	100807	43.213	ug/l	98
78) n-propylbenzene	12.808	91	542243	44.994	ug/l	99
79) 2-Chlorotoluene	12.891	91	298771	43.338	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	376578	44.729	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	21925	43.767	ug/l	94
82) 4-Chlorotoluene	12.991	91	320992	44.419	ug/l	99
83) tert-Butylbenzene	13.208	119	324018	44.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	377863	45.431	ug/l	100
85) sec-Butylbenzene	13.385	105	492812	44.430	ug/l	99
86) p-Isopropyltoluene	13.496	119	422007	45.294	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	213647	43.857	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	210275	43.576	ug/l	99
89) n-Butylbenzene	13.826	91	388913	45.270	ug/l	99
90) Hexachloroethane	14.091	117	76877	45.026	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	184861	44.383	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.479	75	13756	47.840	ug/l	94
93) 1,2,4-Trichlorobenzene	15.138	180	111016	42.863	ug/l	99
94) Hexachlorobutadiene	15.243	225	61483	43.693	ug/l	97
95) Naphthalene	15.373	128	208667	44.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	97045	43.347	ug/l	98

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

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