

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080122\
 Data File : VD073910.D
 Acq On : 01 Aug 2022 12:42
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/02/2022
 Supervised By :Mahesh Dadoda 08/02/2022

Quant Time: Aug 02 04:50:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 04:48:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	185592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	302524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	274299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	136434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	37950	22.027	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.060%#		
35) Dibromofluoromethane	7.902	113	41505	22.081	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.160%#		
50) Toluene-d8	10.332	98	144099	22.759	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.520%#		
62) 4-Bromofluorobenzene	12.620	95	48150	20.680	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	41.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	28847	16.759	ug/l	95
3) Chloromethane	2.209	50	40836	17.317	ug/l	96
4) Vinyl Chloride	2.344	62	50069	17.217	ug/l	98
5) Bromomethane	2.750	94	32832	15.987	ug/l	90
6) Chloroethane	2.914	64	35955	17.579	ug/l	97
7) Trichlorofluoromethane	3.267	101	58160	18.656	ug/l	97
8) Diethyl Ether	3.709	74	14869	18.950	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.085	101	34639	18.743	ug/l	98
10) Methyl Iodide	4.291	142	35630	17.632	ug/l	98
11) Tert butyl alcohol	5.232	59	13964m	98.252	ug/l	
12) 1,1-Dichloroethene	4.061	96	29611	18.084	ug/l	93
13) Acrolein	3.920	56	5078	57.956	ug/l	100
14) Allyl chloride	4.703	41	40703	18.385	ug/l	97
15) Acrylonitrile	5.414	53	33348	99.277	ug/l	98
16) Acetone	4.156	43	28167	87.471	ug/l #	84
17) Carbon Disulfide	4.403	76	70095	14.700	ug/l	100
18) Methyl Acetate	4.708	43	18370	19.069	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	76097	19.195	ug/l	95
20) Methylene Chloride	4.961	84	64395	19.129	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	34875	17.871	ug/l	92
22) Diisopropyl ether	6.361	45	93266	19.403	ug/l	97
23) Vinyl Acetate	6.303	43	245240	96.671	ug/l	99
24) 1,1-Dichloroethane	6.261	63	61828	19.015	ug/l	99
25) 2-Butanone	7.202	43	42252	93.280	ug/l	98
26) 2,2-Dichloropropane	7.202	77	61091	18.582	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	40183	18.290	ug/l	99
28) Bromochloromethane	7.544	49	21761	20.055	ug/l #	94
29) Tetrahydrofuran	7.561	42	26715	100.940	ug/l	96
30) Chloroform	7.702	83	72038	19.443	ug/l	99
31) Cyclohexane	7.979	56	47870	16.657	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	67225	19.056	ug/l	99
36) 1,1-Dichloropropene	8.102	75	47252	17.651	ug/l	99
37) Ethyl Acetate	7.285	43	19725	19.784	ug/l #	92
38) Carbon Tetrachloride	8.091	117	56317	18.779	ug/l	95
39) Methylcyclohexane	9.349	83	53944	17.191	ug/l	97
40) Benzene	8.344	78	133939	18.233	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	11709	20.344	ug/l	90
42) 1,2-Dichloroethane	8.420	62	43624	19.348	ug/l	99
43) Isopropyl Acetate	8.449	43	39440	19.977	ug/l	98
44) Trichloroethene	9.102	130	39917	18.037	ug/l	99
45) 1,2-Dichloropropane	9.373	63	34419	19.472	ug/l	90
46) Dibromomethane	9.467	93	22073	19.415	ug/l	99
47) Bromodichloromethane	9.655	83	55217	19.607	ug/l	98
48) Methyl methacrylate	9.449	41	17473	18.965	ug/l	92
49) 1,4-Dioxane	9.461	88	4894	408.442	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	98957	100.392	ug/l	99
52) Toluene	10.396	92	90218	18.049	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	49578	19.124	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	54860	18.692	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	28224	19.302	ug/l	93
56) Ethyl methacrylate	10.649	69	32355	19.434	ug/l	97
57) 1,3-Dichloropropane	10.938	76	45474	19.215	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.932	63	58570	91.927	ug/l	99
59) 2-Hexanone	10.973	43	63524	95.236	ug/l	100
60) Dibromochloromethane	11.132	129	38601	19.565	ug/l	98
61) 1,2-Dibromoethane	11.238	107	28012	18.900	ug/l	95
64) Tetrachloroethene	10.867	164	34381	17.612	ug/l	97
65) Chlorobenzene	11.661	112	100890	18.554	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	40294	19.344	ug/l	98
67) Ethyl Benzene	11.732	91	176659	18.394	ug/l	99
68) m/p-Xylenes	11.843	106	139790	36.715	ug/l	96
69) o-Xylene	12.167	106	65555	18.383	ug/l	99
70) Styrene	12.185	104	114419	18.997	ug/l	99
71) Bromoform	12.349	173	22692	19.835	ug/l #	97
73) Isopropylbenzene	12.467	105	174638	18.564	ug/l	100
74) N-amyl acetate	12.273	43	38067	20.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	33682	21.018	ug/l	93
76) 1,2,3-Trichloropropane	12.767	75	25833m	20.914	ug/l	
77) Bromobenzene	12.743	156	42300	19.101	ug/l	96
78) n-propylbenzene	12.808	91	213908	18.698	ug/l	100
79) 2-Chlorotoluene	12.896	91	125735	19.213	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	152521	19.084	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	9543	20.067	ug/l	95
82) 4-Chlorotoluene	12.990	91	127424	18.575	ug/l	98
83) tert-Butylbenzene	13.208	119	131765	18.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	148555	18.815	ug/l	99
85) sec-Butylbenzene	13.384	105	199136	18.912	ug/l	100
86) p-Isopropyltoluene	13.502	119	164872	18.641	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	85028	18.386	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	88359	19.289	ug/l	99
89) n-Butylbenzene	13.826	91	152998	18.760	ug/l	100
90) Hexachloroethane	14.096	117	29836	18.408	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	75076	18.988	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	5627	20.615	ug/l	93
93) 1,2,4-Trichlorobenzene	15.137	180	46859	19.058	ug/l	99
94) Hexachlorobutadiene	15.243	225	25421	19.031	ug/l	100
95) Naphthalene	15.379	128	85879	19.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	40224	18.927	ug/l	95

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

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