

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073174.D
 Acq On : 20 May 2022 09:37
 Operator : VA/SY
 Sample : VD0519SBS03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS03

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 20 13:07:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	334714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	560324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	531987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182842	49.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.860%		
35) Dibromofluoromethane	7.908	113	191969	51.920	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.840%		
50) Toluene-d8	10.332	98	724479	53.155	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.320%		
62) 4-Bromofluorobenzene	12.620	95	253825	53.066	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	72572	21.698	ug/l	98
3) Chloromethane	2.209	50	74110	19.596	ug/l	98
4) Vinyl Chloride	2.350	62	72241	20.890	ug/l	90
5) Bromomethane	2.756	94	50256	20.269	ug/l	92
6) Chloroethane	2.914	64	42983	20.219	ug/l	93
7) Trichlorofluoromethane	3.267	101	127567	20.862	ug/l	96
8) Diethyl Ether	3.714	74	31872	18.968	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	74833	20.510	ug/l	96
10) Methyl Iodide	4.291	142	70082	17.804	ug/l	99
11) Tert butyl alcohol	5.197	59	33784m	58.866	ug/l	
12) 1,1-Dichloroethene	4.061	96	68759	20.441	ug/l	88
13) Acrolein	3.920	56	27209	110.121	ug/l	97
14) Allyl chloride	4.708	41	102259	18.833	ug/l	91
15) Acrylonitrile	5.420	53	77364	100.688	ug/l	97
16) Acetone	4.156	43	60390	94.254	ug/l #	86
17) Carbon Disulfide	4.409	76	218230	19.570	ug/l	99
18) Methyl Acetate	4.726	43	38030	21.346	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	147174	19.205	ug/l	99
20) Methylene Chloride	4.961	84	85558	18.540	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	80371	19.761	ug/l	91
22) Diisopropyl ether	6.361	45	229615	20.173	ug/l #	94
23) Vinyl Acetate	6.303	43	576675m	94.984	ug/l	
24) 1,1-Dichloroethane	6.255	63	143650	19.662	ug/l	96
25) 2-Butanone	7.208	43	92009	98.154	ug/l	91
26) 2,2-Dichloropropane	7.202	77	120471	19.335	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	86429	19.205	ug/l	93
28) Bromochloromethane	7.538	49	45502	18.078	ug/l #	79
29) Tetrahydrofuran	7.561	42	59201	97.670	ug/l	92
30) Chloroform	7.708	83	154441	20.248	ug/l	96
31) Cyclohexane	7.979	56	123808	19.153	ug/l #	89
32) 1,1,1-Trichloroethane	7.902	97	132685	19.889	ug/l	97
36) 1,1-Dichloropropene	8.108	75	112138	20.166	ug/l	96
37) Ethyl Acetate	7.297	43	44011	20.037	ug/l #	92
38) Carbon Tetrachloride	8.097	117	118546	21.031	ug/l	100
39) Methylcyclohexane	9.349	83	122558	19.776	ug/l	99
40) Benzene	8.344	78	327951	20.463	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	23467	18.337	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	91379	20.492	ug/l	95
43) Isopropyl Acetate	8.444	43	79474	19.575	ug/l #	90
44) Trichloroethene	9.108	130	89007	20.827	ug/l	85
45) 1,2-Dichloropropane	9.379	63	81903	20.293	ug/l	96
46) Dibromomethane	9.467	93	43901	19.805	ug/l	96
47) Bromodichloromethane	9.655	83	115594	20.381	ug/l #	97
48) Methyl methacrylate	9.449	41	40062	19.613	ug/l	88
49) 1,4-Dioxane	9.455	88	8767	382.979	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	209227	99.224	ug/l	95
52) Toluene	10.396	92	214562	21.186	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	102280	19.961	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	125039	20.392	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	61684	20.578	ug/l	97
56) Ethyl methacrylate	10.655	69	66148	19.848	ug/l #	89
57) 1,3-Dichloropropane	10.938	76	100982	20.078	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	116468	88.815	ug/l	94
59) 2-Hexanone	10.973	43	140562	101.110	ug/l	97
60) Dibromochloromethane	11.132	129	76567	20.485	ug/l	99
61) 1,2-Dibromoethane	11.238	107	58224	20.327	ug/l	99
64) Tetrachloroethene	10.873	164	73711	21.155	ug/l	98
65) Chlorobenzene	11.661	112	223261	20.457	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	84549	20.889	ug/l	97
67) Ethyl Benzene	11.738	91	387784	20.241	ug/l	98
68) m/p-Xylenes	11.843	106	311847	41.896	ug/l	98
69) o-Xylene	12.173	106	141085	20.633	ug/l	92
70) Styrene	12.185	104	244515	20.784	ug/l	97
71) Bromoform	12.349	173	42443	20.375	ug/l #	97
73) Isopropylbenzene	12.467	105	375737	20.229	ug/l	100
74) N-amyl acetate	12.279	43	78310	19.326	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	70315	20.526	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	50995m	19.948	ug/l	
77) Bromobenzene	12.749	156	85758	19.614	ug/l	96
78) n-propylbenzene	12.808	91	477599	20.482	ug/l	99
79) 2-Chlorotoluene	12.896	91	273541	20.317	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	327263	20.800	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	20930	19.655	ug/l	90
82) 4-Chlorotoluene	12.990	91	286158	20.278	ug/l	98
83) tert-Butylbenzene	13.208	119	269716	20.340	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	318986	20.522	ug/l	99
85) sec-Butylbenzene	13.390	105	408241	20.162	ug/l	98
86) p-Isopropyltoluene	13.502	119	336135	20.365	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	184519	20.937	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	174372	19.600	ug/l	97
89) n-Butylbenzene	13.826	91	322673	20.518	ug/l	99
90) Hexachloroethane	14.096	117	69986	20.493	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	155267	20.362	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10432	19.886	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	84170	19.443	ug/l	98
94) Hexachlorobutadiene	15.249	225	48525	19.891	ug/l	97
95) Naphthalene	15.379	128	139501	18.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	73718	19.208	ug/l	99

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

