

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073146.D
 Acq On : 19 May 2022 18:50
 Operator : VA/SY
 Sample : VD0519SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 20 01:49:59 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	339520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	580822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	541882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182887	48.742	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.480%		
35) Dibromofluoromethane	7.903	113	185600	48.426	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.860%		
50) Toluene-d8	10.332	98	698888	49.468	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.620	95	244357	49.284	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	74395	21.929	ug/l	100
3) Chloromethane	2.209	50	76302	19.890	ug/l	99
4) Vinyl Chloride	2.344	62	69332	19.765	ug/l	98
5) Bromomethane	2.750	94	49937	19.765	ug/l	97
6) Chloroethane	2.909	64	44975	20.856	ug/l	99
7) Trichlorofluoromethane	3.268	101	127379	20.536	ug/l	99
8) Diethyl Ether	3.703	74	34396	20.181	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	75087	20.289	ug/l	95
10) Methyl Iodide	4.297	142	73321	18.363	ug/l	99
11) Tert butyl alcohol	5.191	59	45089	77.453	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	70584	20.687	ug/l	92
13) Acrolein	3.915	56	26582	105.356	ug/l	100
14) Allyl chloride	4.709	41	107004	19.428	ug/l	91
15) Acrylonitrile	5.415	53	79794	102.381	ug/l	98
16) Acetone	4.156	43	61435	94.528	ug/l #	87
17) Carbon Disulfide	4.403	76	225130	19.903	ug/l	99
18) Methyl Acetate	4.720	43	37774	20.902	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	155498	20.004	ug/l	100
20) Methylene Chloride	4.962	84	103670	22.991	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	82649	20.034	ug/l	91
22) Diisopropyl ether	6.362	45	234893	20.345	ug/l #	91
23) Vinyl Acetate	6.303	43	613310	99.588	ug/l #	95
24) 1,1-Dichloroethane	6.256	63	148043	19.976	ug/l	99
25) 2-Butanone	7.209	43	92464	97.243	ug/l	97
26) 2,2-Dichloropropane	7.209	77	120221	19.022	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	88092	19.298	ug/l	93
28) Bromochloromethane	7.544	49	47354	18.547	ug/l #	79
29) Tetrahydrofuran	7.556	42	61873	100.633	ug/l	94
30) Chloroform	7.703	83	150428	19.443	ug/l	96
31) Cyclohexane	7.985	56	128298	19.567	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	135045	19.957	ug/l	95
36) 1,1-Dichloropropene	8.109	75	115136	19.974	ug/l	97
37) Ethyl Acetate	7.285	43	43095	18.928	ug/l #	90
38) Carbon Tetrachloride	8.097	117	115854	19.828	ug/l	97
39) Methylcyclohexane	9.350	83	127848	19.902	ug/l	97
40) Benzene	8.344	78	332320	20.004	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24735	18.646	ug/l	91
42) 1,2-Dichloroethane	8.414	62	93307	20.186	ug/l	99
43) Isopropyl Acetate	8.444	43	85424	20.298	ug/l	93
44) Trichloroethene	9.103	130	89714	20.251	ug/l	100
45) 1,2-Dichloropropane	9.379	63	86860	20.762	ug/l	93
46) Dibromomethane	9.467	93	45729	19.902	ug/l	98
47) Bromodichloromethane	9.656	83	118002	20.071	ug/l #	98
48) Methyl methacrylate	9.450	41	43254	20.429	ug/l	91
49) 1,4-Dioxane	9.456	88	8688	366.134	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	219248	100.307	ug/l	95
52) Toluene	10.397	92	214396	20.423	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	104669	19.706	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	123654	19.454	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	62990	20.272	ug/l	95
56) Ethyl methacrylate	10.650	69	68999	19.973	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	108613	20.833	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	118321	87.475	ug/l	94
59) 2-Hexanone	10.973	43	145004	100.624	ug/l	96
60) Dibromochloromethane	11.132	129	78700	20.313	ug/l	94
61) 1,2-Dibromoethane	11.238	107	60932	20.522	ug/l	99
64) Tetrachloroethene	10.867	164	72641	20.467	ug/l	97
65) Chlorobenzene	11.661	112	226001	20.330	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	82547	20.022	ug/l	97
67) Ethyl Benzene	11.732	91	393373	20.158	ug/l	100
68) m/p-Xylenes	11.844	106	315168	41.569	ug/l	97
69) o-Xylene	12.167	106	138182	19.839	ug/l	98
70) Styrene	12.185	104	244778	20.427	ug/l	98
71) Bromoform	12.349	173	45959	21.660	ug/l #	98
73) Isopropylbenzene	12.467	105	372148	20.021	ug/l	99
74) N-amyl acetate	12.279	43	80045	19.740	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	69015	20.131	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	58198m	22.748	ug/l	
77) Bromobenzene	12.749	156	89036	20.348	ug/l	92
78) n-propylbenzene	12.808	91	474777	20.345	ug/l	99
79) 2-Chlorotoluene	12.897	91	268437	19.923	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	324050	20.580	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	20532	19.267	ug/l	92
82) 4-Chlorotoluene	12.991	91	288775	20.447	ug/l	98
83) tert-Butylbenzene	13.208	119	269401	20.301	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	323375	20.789	ug/l	100
85) sec-Butylbenzene	13.391	105	414914	20.476	ug/l	99
86) p-Isopropyltoluene	13.502	119	335520	20.313	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	181671	20.598	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	180735	20.300	ug/l	98
89) n-Butylbenzene	13.826	91	321036	20.398	ug/l	98
90) Hexachloroethane	14.096	117	69556	20.351	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	155553	20.384	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	10632	20.252	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	84832	19.581	ug/l	95
94) Hexachlorobutadiene	15.243	225	49601	20.317	ug/l	97
95) Naphthalene	15.385	128	149161	19.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	78011	20.311	ug/l	96

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

