

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072183.D
 Acq On : 15 Mar 2022 12:31
 Operator : VA/SY
 Sample : VD0315SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS02

Quant Time: Mar 15 17:44:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/17/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	370690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	599872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	557847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	294507	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216210	52.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.680%	
35) Dibromofluoromethane	7.914	113	214391	50.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.580%	
50) Toluene-d8	10.332	98	797586	51.673	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.620	95	294576	49.117	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.240%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	61140	17.832	ug/l	94
3) Chloromethane	2.209	50	49579	16.273	ug/l	97
4) Vinyl Chloride	2.350	62	49872	16.958	ug/l	100
5) Bromomethane	2.756	94	33719	17.607	ug/l	95
6) Chloroethane	2.921	64	34101	17.538	ug/l	100
7) Trichlorofluoromethane	3.273	101	119682	18.020	ug/l	98
8) Diethyl Ether	3.715	74	32555	17.748	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	77269	18.246	ug/l	95
10) Methyl Iodide	4.303	142	49768	14.760	ug/l	99
11) Tert butyl alcohol	5.220	59	21772	90.895	ug/l	98
12) 1,1-Dichloroethene	4.068	96	57928	17.003	ug/l	87
13) Acrolein	3.921	56	19620	91.796	ug/l	100
14) Allyl chloride	4.715	41	103652	17.401	ug/l	96
15) Acrylonitrile	5.420	53	88896	96.048	ug/l	99
16) Acetone	4.150	43	83867	93.502	ug/l	95
17) Carbon Disulfide	4.409	76	96760	13.312	ug/l #	95
18) Methyl Acetate	4.720	43	49012	22.298	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	169794	18.336	ug/l	99
20) Methylene Chloride	4.962	84	78103	12.815	ug/l	88
21) trans-1,2-Dichloroethene	5.473	96	62963	16.709	ug/l	92
22) Diisopropyl ether	6.362	45	262910	19.351	ug/l #	93
23) Vinyl Acetate	6.303	43	628369	90.622	ug/l #	95
24) 1,1-Dichloroethane	6.267	63	150959	18.840	ug/l	99
25) 2-Butanone	7.209	43	114161	95.459	ug/l	95
26) 2,2-Dichloropropane	7.203	77	128962	17.838	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	88724	18.442	ug/l	94
28) Bromochloromethane	7.544	49	59989	18.597	ug/l	84
29) Tetrahydrofuran	7.561	42	64947	92.357	ug/l	95
30) Chloroform	7.703	83	167948	19.675	ug/l	98
31) Cyclohexane	7.979	56	102963	15.953	ug/l	86
32) 1,1,1-Trichloroethane	7.903	97	138135	18.220	ug/l	98
36) 1,1-Dichloropropene	8.108	75	101321	17.109	ug/l	98
37) Ethyl Acetate	7.291	43	48456	18.679	ug/l #	94
38) Carbon Tetrachloride	8.091	117	121665	18.074	ug/l	96
39) Methylcyclohexane	9.350	83	105464	15.826	ug/l	99
40) Benzene	8.350	78	300983	17.815	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	31294	20.697	ug/l	95
42) 1,2-Dichloroethane	8.420	62	96352	18.800	ug/l	96
43) Isopropyl Acetate	8.450	43	94985	18.865	ug/l #	94
44) Trichloroethene	9.114	130	84578	17.832	ug/l	84
45) 1,2-Dichloropropane	9.385	63	87783	18.946	ug/l	98
46) Dibromomethane	9.473	93	44243	19.412	ug/l	96
47) Bromodichloromethane	9.655	83	125561	18.897	ug/l #	95
48) Methyl methacrylate	9.450	41	42845	17.821	ug/l #	84
49) 1,4-Dioxane	9.456	88	11352	415.343	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	256818	97.114	ug/l	95
52) Toluene	10.397	92	199011	17.901	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	113671	18.725	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	130661	18.619	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	68175	19.636	ug/l	97
56) Ethyl methacrylate	10.655	69	73417	18.053	ug/l	90
57) 1,3-Dichloropropane	10.938	76	112948	19.383	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	171767	93.937	ug/l	97
59) 2-Hexanone	10.979	43	179140	98.080	ug/l	98
60) Dibromochloromethane	11.132	129	88399	19.621	ug/l	100
61) 1,2-Dibromoethane	11.238	107	58073	18.510	ug/l	97
64) Tetrachloroethene	10.873	164	68323	17.383	ug/l	89
65) Chlorobenzene	11.667	112	232400	18.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	94287	19.279	ug/l	99
67) Ethyl Benzene	11.738	91	394313	17.852	ug/l	99
68) m/p-Xylenes	11.844	106	303158	36.145	ug/l	100
69) o-Xylene	12.173	106	145937	18.191	ug/l	97
70) Styrene	12.185	104	265732	18.968	ug/l	97
71) Bromoform	12.355	173	52221	19.990	ug/l #	99
73) Isopropylbenzene	12.473	105	412107	17.658	ug/l	100
74) N-amyl acetate	12.279	43	94050	18.752	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	80857	19.372	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	54856m	16.886	ug/l	
77) Bromobenzene	12.749	156	95892	18.255	ug/l	93
78) n-propylbenzene	12.814	91	511499	18.044	ug/l	98
79) 2-Chlorotoluene	12.896	91	296426	18.084	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	375533	18.730	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	24761	18.911	ug/l	88
82) 4-Chlorotoluene	12.996	91	310359	18.286	ug/l	98
83) tert-Butylbenzene	13.214	119	314813	17.909	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	371306	18.795	ug/l	99
85) sec-Butylbenzene	13.391	105	478949	18.144	ug/l	99
86) p-Isopropyltoluene	13.502	119	402953	18.551	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	207198	18.821	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	203013	18.597	ug/l	98
89) n-Butylbenzene	13.832	91	382743	18.486	ug/l	99
90) Hexachloroethane	14.102	117	80224	18.844	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	182675	19.032	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12978	19.483	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	117413	18.477	ug/l	98
94) Hexachlorobutadiene	15.249	225	68696	18.584	ug/l	98
95) Naphthalene	15.385	128	194709	17.775	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	102097	18.561	ug/l	99

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

