

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072331.D
 Acq On : 21 Mar 2022 10:50
 Operator : VA/SY
 Sample : VD0321SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0321SBS01

Quant Time: Mar 22 02:09:49 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 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	362114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	588297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	553340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	282694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234685	58.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.300%			
35) Dibromofluoromethane	7.909	113	231010	55.801	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.600%			
50) Toluene-d8	10.332	98	841167	55.568	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.140%			
62) 4-Bromofluorobenzene	12.620	95	318384	54.131	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	63787	19.045	ug/l	100
3) Chloromethane	2.209	50	59374	19.949	ug/l	94
4) Vinyl Chloride	2.350	62	58587	20.393	ug/l	98
5) Bromomethane	2.750	94	40954	21.892	ug/l	97
6) Chloroethane	2.915	64	40607	21.378	ug/l	97
7) Trichlorofluoromethane	3.273	101	128965	19.878	ug/l	99
8) Diethyl Ether	3.709	74	36565	20.406	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	90585	21.897	ug/l	97
10) Methyl Iodide	4.291	142	48776	14.801	ug/l	99
11) Tert butyl alcohol	5.226	59	25878	110.596	ug/l	97
12) 1,1-Dichloroethene	4.062	96	63998	19.230	ug/l	93
13) Acrolein	3.926	56	21722	104.037	ug/l	99
14) Allyl chloride	4.709	41	109717	18.855	ug/l	97
15) Acrylonitrile	5.420	53	104502	115.584	ug/l	98
16) Acetone	4.156	43	104369	119.115	ug/l	100
17) Carbon Disulfide	4.409	76	97193	13.646	ug/l	95
18) Methyl Acetate	4.720	43	59613	27.763	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	202561	22.393	ug/l	94
20) Methylene Chloride	4.962	84	98312	18.640	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	70309	19.100	ug/l	96
22) Diisopropyl ether	6.367	45	310218	23.373	ug/l	89
23) Vinyl Acetate	6.303	43	728092	107.491	ug/l	96
24) 1,1-Dichloroethane	6.262	63	171506	21.911	ug/l	98
25) 2-Butanone	7.209	43	140584	120.337	ug/l	95
26) 2,2-Dichloropropane	7.209	77	149236	21.131	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	97690	20.787	ug/l	96
28) Bromochloromethane	7.538	49	68972	21.888	ug/l #	19
29) Tetrahydrofuran	7.561	42	78428	114.169	ug/l	97
30) Chloroform	7.709	83	189124	22.680	ug/l	94
31) Cyclohexane	7.985	56	113797	18.049	ug/l #	85
32) 1,1,1-Trichloroethane	7.897	97	153743	20.759	ug/l	98
36) 1,1-Dichloropropene	8.109	75	109786	18.904	ug/l	98
37) Ethyl Acetate	7.291	43	55209	21.701	ug/l #	93
38) Carbon Tetrachloride	8.097	117	129193	19.570	ug/l	99
39) Methylcyclohexane	9.350	83	116686	17.854	ug/l	98
40) Benzene	8.350	78	331798	20.026	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	35072	23.652	ug/l	91
42) 1,2-Dichloroethane	8.420	62	106855	21.260	ug/l	96
43) Isopropyl Acetate	8.450	43	110741	22.427	ug/l #	96
44) Trichloroethene	9.108	130	92362	19.857	ug/l	96
45) 1,2-Dichloropropane	9.379	63	98867	21.758	ug/l	95
46) Dibromomethane	9.467	93	48101	21.519	ug/l	94
47) Bromodichloromethane	9.656	83	142256	21.831	ug/l	99
48) Methyl methacrylate	9.450	41	53032	22.492	ug/l	93
49) 1,4-Dioxane	9.456	88	12500	466.344	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	309174	119.213	ug/l	96
52) Toluene	10.397	92	219350	20.119	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	126740	21.288	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	149749	21.758	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	78228	22.974	ug/l	99
56) Ethyl methacrylate	10.655	69	84181	21.107	ug/l	94
57) 1,3-Dichloropropane	10.938	76	127450	22.302	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	180552	100.684	ug/l	98
59) 2-Hexanone	10.979	43	217228	121.273	ug/l	97
60) Dibromochloromethane	11.132	129	98175	22.220	ug/l	97
61) 1,2-Dibromoethane	11.238	107	66368	21.570	ug/l	98
64) Tetrachloroethene	10.867	164	75167	19.280	ug/l	96
65) Chlorobenzene	11.661	112	256227	20.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	107365	22.132	ug/l	99
67) Ethyl Benzene	11.738	91	443201	20.228	ug/l	100
68) m/p-Xylenes	11.844	106	337827	40.606	ug/l	100
69) o-Xylene	12.173	106	161533	20.299	ug/l	100
70) Styrene	12.185	104	297003	21.373	ug/l	97
71) Bromoform	12.349	173	57698	22.266	ug/l #	98
73) Isopropylbenzene	12.473	105	462158	20.630	ug/l	99
74) N-amyl acetate	12.279	43	109668	22.780	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	91350	22.800	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	69099m	22.159	ug/l	
77) Bromobenzene	12.749	156	109306	21.678	ug/l	92
78) n-propylbenzene	12.808	91	573487	21.076	ug/l	99
79) 2-Chlorotoluene	12.897	91	333538	21.198	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	417260	21.681	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	27478	21.863	ug/l	91
82) 4-Chlorotoluene	12.996	91	355156	21.800	ug/l	99
83) tert-Butylbenzene	13.214	119	352646	20.900	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	401360	21.165	ug/l	99
85) sec-Butylbenzene	13.391	105	535464	21.132	ug/l	98
86) p-Isopropyltoluene	13.502	119	445434	21.363	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	227983	21.574	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	222305	21.215	ug/l	99
89) n-Butylbenzene	13.832	91	432067	21.740	ug/l	99
90) Hexachloroethane	14.096	117	89881	21.994	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	200708	21.785	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	14281	22.334	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	130291	21.360	ug/l	99
94) Hexachlorobutadiene	15.249	225	72171	20.340	ug/l	97
95) Naphthalene	15.385	128	223760	21.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	111127	21.047	ug/l	100

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

