

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072309.D
 Acq On : 19 Mar 2022 01:17
 Operator : VA/SY
 Sample : VD0318SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Quant Time: Mar 19 05:31:57 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 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	299469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	507369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	483950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	196393	58.846	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.700%			
35) Dibromofluoromethane	7.908	113	190830	53.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.900%			
50) Toluene-d8	10.332	98	682156	52.252	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.620	95	254488	50.169	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	45884	16.565	ug/l	99
3) Chloromethane	2.209	50	43853	17.817	ug/l	98
4) Vinyl Chloride	2.344	62	43938	18.493	ug/l	97
5) Bromomethane	2.750	94	33978	21.962	ug/l	94
6) Chloroethane	2.909	64	32545	20.718	ug/l #	80
7) Trichlorofluoromethane	3.268	101	95862	17.866	ug/l	98
8) Diethyl Ether	3.709	74	32225	21.746	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	64553	18.869	ug/l	97
10) Methyl Iodide	4.297	142	38717	14.296	ug/l	98
11) Tert butyl alcohol	5.226	59	23135	119.556	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	47905	17.405	ug/l	93
13) Acrolein	3.926	56	17452	101.071	ug/l	98
14) Allyl chloride	4.709	41	92257	19.171	ug/l	93
15) Acrylonitrile	5.414	53	89740	120.019	ug/l	96
16) Acetone	4.162	43	68481	94.506	ug/l	96
17) Carbon Disulfide	4.415	76	79343	13.490	ug/l	96
18) Methyl Acetate	4.720	43	55462	31.233	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	162010	21.657	ug/l	98
20) Methylene Chloride	4.956	84	91839	22.010	ug/l	86
21) trans-1,2-Dichloroethene	5.462	96	56269	18.484	ug/l	88
22) Diisopropyl ether	6.361	45	244448	22.271	ug/l	94
23) Vinyl Acetate	6.303	43	566116	101.061	ug/l	96
24) 1,1-Dichloroethane	6.261	63	138978	21.469	ug/l	99
25) 2-Butanone	7.208	43	108132	111.921	ug/l	94
26) 2,2-Dichloropropane	7.208	77	102311	17.517	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	78336	20.156	ug/l	94
28) Bromochloromethane	7.544	49	56428	21.653	ug/l	88
29) Tetrahydrofuran	7.556	42	66270	116.651	ug/l	95
30) Chloroform	7.708	83	150803	21.868	ug/l	99
31) Cyclohexane	7.985	56	83231	15.962	ug/l #	92
32) 1,1,1-Trichloroethane	7.903	97	120455	19.666	ug/l	98
36) 1,1-Dichloropropene	8.108	75	83444	16.660	ug/l	95
37) Ethyl Acetate	7.285	43	48597	22.149	ug/l	95
38) Carbon Tetrachloride	8.097	117	100146	17.589	ug/l	97
39) Methylcyclohexane	9.350	83	82077	14.562	ug/l	93
40) Benzene	8.344	78	266324	18.638	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	28597	22.362	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	92580	21.358	ug/l	97
43) Isopropyl Acetate	8.450	43	92875	21.809	ug/l	97
44) Trichloroethene	9.108	130	70396	17.548	ug/l	95
45) 1,2-Dichloropropane	9.385	63	78783	20.103	ug/l	99
46) Dibromomethane	9.473	93	41632	21.596	ug/l	95
47) Bromodichloromethane	9.655	83	119487	21.262	ug/l	94
48) Methyl methacrylate	9.455	41	45573	22.412	ug/l	91
49) 1,4-Dioxane	9.455	88	9367	405.201	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	257841	115.277	ug/l	96
52) Toluene	10.397	92	175910	18.708	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	99601	19.398	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	120085	20.231	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	62543	21.298	ug/l	94
56) Ethyl methacrylate	10.655	69	71496	20.786	ug/l	90
57) 1,3-Dichloropropane	10.938	76	105426	21.391	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	148532	96.040	ug/l	97
59) 2-Hexanone	10.979	43	175304	113.478	ug/l	99
60) Dibromochloromethane	11.132	129	80356	21.088	ug/l	100
61) 1,2-Dibromoethane	11.238	107	54808	20.654	ug/l	97
64) Tetrachloroethene	10.867	164	59284	17.386	ug/l	97
65) Chlorobenzene	11.661	112	205253	19.131	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	85983	20.266	ug/l	98
67) Ethyl Benzene	11.738	91	341500	17.821	ug/l	99
68) m/p-Xylenes	11.844	106	265696	36.515	ug/l	100
69) o-Xylene	12.173	106	127599	18.333	ug/l	98
70) Styrene	12.185	104	235696	19.393	ug/l	96
71) Bromoform	12.349	173	48892	21.573	ug/l #	99
73) Isopropylbenzene	12.473	105	356066	18.199	ug/l	99
74) N-amyl acetate	12.279	43	89490	21.284	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	79999	22.863	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	50040m	18.374	ug/l	
77) Bromobenzene	12.749	156	88283	20.048	ug/l	93
78) n-propylbenzene	12.808	91	437105	18.393	ug/l	100
79) 2-Chlorotoluene	12.896	91	263680	19.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	323468	19.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	21501	19.588	ug/l	93
82) 4-Chlorotoluene	12.996	91	273225	19.203	ug/l	99
83) tert-Butylbenzene	13.214	119	266407	18.079	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	317000	19.141	ug/l	100
85) sec-Butylbenzene	13.391	105	398730	18.018	ug/l	98
86) p-Isopropyltoluene	13.502	119	334780	18.385	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	181971	19.717	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	177813	19.430	ug/l	98
89) n-Butylbenzene	13.832	91	306722	17.671	ug/l	99
90) Hexachloroethane	14.096	117	70998	19.893	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	162904	20.246	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	11727	21.000	ug/l	84
93) 1,2,4-Trichlorobenzene	15.143	180	96011	18.023	ug/l	99
94) Hexachlorobutadiene	15.249	225	54985	17.744	ug/l	99
95) Naphthalene	15.385	128	179749	19.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	88102	19.106	ug/l	98

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

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