

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072446.D
 Acq On : 28 Mar 2022 12:05
 Operator : VA/SY
 Sample : VD0328SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Quant Time: Mar 29 02:58:01 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 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	370203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	604973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	558480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	278323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217523	52.724	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.440%			
35) Dibromofluoromethane	7.914	113	222358	52.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.460%			
50) Toluene-d8	10.332	98	789176	50.697	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.400%			
62) 4-Bromofluorobenzene	12.620	95	302812	50.064	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	60970	17.806	ug/l	98
3) Chloromethane	2.209	50	58910	19.361	ug/l	100
4) Vinyl Chloride	2.350	62	62959	21.436	ug/l	96
5) Bromomethane	2.756	94	41327	21.609	ug/l	90
6) Chloroethane	2.915	64	44879	23.111	ug/l	94
7) Trichlorofluoromethane	3.268	101	133464	20.122	ug/l	95
8) Diethyl Ether	3.709	74	39041	21.312	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	90976	21.511	ug/l	95
10) Methyl Iodide	4.297	142	58374	16.947	ug/l	99
11) Tert butyl alcohol	5.215	59	28185	117.824	ug/l #	89
12) 1,1-Dichloroethene	4.068	96	66110	19.430	ug/l	93
13) Acrolein	3.920	56	18542	86.866	ug/l	98
14) Allyl chloride	4.715	41	130523	21.941	ug/l	94
15) Acrylonitrile	5.420	53	111418	120.540	ug/l	96
16) Acetone	4.144	43	105469	117.741	ug/l	96
17) Carbon Disulfide	4.409	76	93357	12.912	ug/l	98
18) Methyl Acetate	4.720	43	63094	28.742	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	218316	23.607	ug/l	97
20) Methylene Chloride	4.962	84	105400	19.906	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	73083	19.420	ug/l	91
22) Diisopropyl ether	6.362	45	336723	24.816	ug/l	94
23) Vinyl Acetate	6.303	43	774757	111.881	ug/l	96
24) 1,1-Dichloroethane	6.262	63	185775	23.215	ug/l	98
25) 2-Butanone	7.203	43	143839	120.433	ug/l	94
26) 2,2-Dichloropropane	7.203	77	161830	22.413	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	103340	21.509	ug/l	96
28) Bromochloromethane	7.538	49	63132	19.597	ug/l	89
29) Tetrahydrofuran	7.561	42	80742	114.969	ug/l	94
30) Chloroform	7.708	83	197739	23.195	ug/l	96
31) Cyclohexane	7.979	56	120409	18.680	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	167183	22.080	ug/l	98
36) 1,1-Dichloropropene	8.108	75	116395	19.489	ug/l	97
37) Ethyl Acetate	7.285	43	61734	23.597	ug/l #	95
38) Carbon Tetrachloride	8.091	117	137322	20.228	ug/l	98
39) Methylcyclohexane	9.350	83	119435	17.771	ug/l	99
40) Benzene	8.344	78	353008	20.718	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	38556	25.285	ug/l	90
42) 1,2-Dichloroethane	8.420	62	114111	22.078	ug/l	99
43) Isopropyl Acetate	8.444	43	119834	23.600	ug/l	97
44) Trichloroethene	9.108	130	96899	20.258	ug/l	99
45) 1,2-Dichloropropane	9.379	63	104545	22.373	ug/l	92
46) Dibromomethane	9.467	93	51926	22.590	ug/l	97
47) Bromodichloromethane	9.655	83	157385	23.487	ug/l	94
48) Methyl methacrylate	9.450	41	60139	24.804	ug/l	95
49) 1,4-Dioxane	9.455	88	11986	434.842	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	317689	119.119	ug/l	95
52) Toluene	10.397	92	233174	20.797	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	134222	21.924	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	156946	22.176	ug/l	93
55) 1,1,2-Trichloroethane	10.797	97	80196	22.903	ug/l	98
56) Ethyl methacrylate	10.655	69	93361	22.764	ug/l	91
57) 1,3-Dichloropropane	10.938	76	134350	22.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	177009	95.988	ug/l	97
59) 2-Hexanone	10.979	43	222300	120.684	ug/l	99
60) Dibromochloromethane	11.132	129	100538	22.127	ug/l	99
61) 1,2-Dibromoethane	11.238	107	66990	21.172	ug/l	99
64) Tetrachloroethene	10.867	164	79504	20.205	ug/l	94
65) Chlorobenzene	11.661	112	270920	21.881	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	111279	22.728	ug/l	99
67) Ethyl Benzene	11.738	91	472173	21.352	ug/l	100
68) m/p-Xylenes	11.844	106	360516	42.935	ug/l	99
69) o-Xylene	12.173	106	175440	21.843	ug/l	98
70) Styrene	12.185	104	309848	22.092	ug/l	99
71) Bromoform	12.349	173	57383	21.941	ug/l #	98
73) Isopropylbenzene	12.473	105	506010	22.942	ug/l	100
74) N-amyl acetate	12.279	43	116927	24.669	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	94300	23.906	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	59326m	19.323	ug/l	
77) Bromobenzene	12.755	156	109619	22.082	ug/l	97
78) n-propylbenzene	12.808	91	620368	23.157	ug/l	99
79) 2-Chlorotoluene	12.896	91	358827	23.163	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	443440	23.403	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	27595	22.301	ug/l	99
82) 4-Chlorotoluene	12.996	91	368406	22.968	ug/l	100
83) tert-Butylbenzene	13.214	119	382109	23.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	432681	23.175	ug/l	99
85) sec-Butylbenzene	13.391	105	578197	23.177	ug/l	99
86) p-Isopropyltoluene	13.502	119	473182	23.050	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	233817	22.474	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	233137	22.598	ug/l	99
89) n-Butylbenzene	13.832	91	459365	23.477	ug/l	99
90) Hexachloroethane	14.102	117	91548	22.754	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	207735	22.901	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	14251	22.638	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	133142	22.170	ug/l	99
94) Hexachlorobutadiene	15.255	225	76680	21.950	ug/l	98
95) Naphthalene	15.385	128	253486	24.486	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	117738	22.650	ug/l	98

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

