

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072401.D
 Acq On : 24 Mar 2022 11:59
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 24 16:45:48 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

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

Internal Standards						03/25/2022
1) Pentafluorobenzene	7.973	168	345612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	577778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	545610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	279563	50.000	ug/l	0.00
System Monitoring Compounds						03/25/2022
33) 1,2-Dichloroethane-d4	8.326	65	232753	60.429	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.860%
35) Dibromofluoromethane	7.914	113	228662	56.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.480%
50) Toluene-d8	10.332	98	833792	56.084	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.160%
62) 4-Bromofluorobenzene	12.620	95	322626	55.851	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	64757	20.258	ug/l	98
3) Chloromethane	2.209	50	60891	21.436	ug/l	98
4) Vinyl Chloride	2.350	62	64316	23.456	ug/l	100
5) Bromomethane	2.750	94	43360	24.285	ug/l	88
6) Chloroethane	2.914	64	46044	25.398	ug/l	92
7) Trichlorofluoromethane	3.267	101	136832	22.098	ug/l	100
8) Diethyl Ether	3.709	74	42642	24.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	92481	23.423	ug/l	97
10) Methyl Iodide	4.291	142	63989	19.511	ug/l	99
11) Tert butyl alcohol	5.214	59	31321	140.250	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	70199	22.100	ug/l	90
13) Acrolein	3.920	56	21350	107.138	ug/l	97
14) Allyl chloride	4.714	41	136332	24.548	ug/l	94
15) Acrylonitrile	5.420	53	122445	141.896	ug/l	97
16) Acetone	4.156	43	113638	135.887	ug/l	97
17) Carbon Disulfide	4.409	76	99991	14.593	ug/l	98
18) Methyl Acetate	4.709	43	70188	34.249	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	229806	26.618	ug/l	100
20) Methylene Chloride	4.956	84	106888	22.259	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	75332	21.442	ug/l	95
22) Diisopropyl ether	6.361	45	357141	28.194	ug/l	97
23) Vinyl Acetate	6.303	43	696198	107.690	ug/l	96
24) 1,1-Dichloroethane	6.261	63	193800	25.941	ug/l	98
25) 2-Butanone	7.208	43	167220	149.972	ug/l	97
26) 2,2-Dichloropropane	7.208	77	166846	24.752	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	110893	24.723	ug/l	97
28) Bromochloromethane	7.544	49	71524	23.782	ug/l	93
29) Tetrahydrofuran	7.555	42	92296	140.772	ug/l	95
30) Chloroform	7.708	83	211322	26.552	ug/l	94
31) Cyclohexane	7.979	56	121604	20.208	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	170152	24.071	ug/l	99
36) 1,1-Dichloropropene	8.108	75	118973	20.858	ug/l	98
37) Ethyl Acetate	7.285	43	67028	26.827	ug/l	98
38) Carbon Tetrachloride	8.091	117	142617	21.996	ug/l	99
39) Methylcyclohexane	9.349	83	121731	18.966	ug/l	95
40) Benzene	8.350	78	367830	22.604	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	40726	27.965	ug/l	91
42) 1,2-Dichloroethane	8.420	62	120906	24.493	ug/l	96
43) Isopropyl Acetate	8.444	43	131465	27.109	ug/l	98
44) Trichloroethene	9.108	130	101796	22.283	ug/l	88
45) 1,2-Dichloropropane	9.385	63	114702	25.702	ug/l	95
46) Dibromomethane	9.473	93	55675	25.361	ug/l	93
47) Bromodichloromethane	9.655	83	164699	25.735	ug/l #	98
48) Methyl methacrylate	9.449	41	59604	25.740	ug/l	88
49) 1,4-Dioxane	9.455	88	14067	534.360	ug/l #	93
51) 4-Methyl-2-Pentanone	10.226	43	358673	140.817	ug/l	96
52) Toluene	10.396	92	247595	23.123	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	146846	25.115	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	169910	25.137	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	88808	26.556	ug/l	97
56) Ethyl methacrylate	10.655	69	103615	26.453	ug/l	92
57) 1,3-Dichloropropane	10.938	76	142906	25.462	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	187965	106.727	ug/l	100
59) 2-Hexanone	10.979	43	259199	147.339	ug/l	99
60) Dibromochloromethane	11.138	129	107684	24.815	ug/l	99
61) 1,2-Dibromoethane	11.238	107	74099	24.521	ug/l	97
64) Tetrachloroethene	10.873	164	81185	21.119	ug/l	97
65) Chlorobenzene	11.661	112	284884	23.552	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	117983	24.666	ug/l	98
67) Ethyl Benzene	11.738	91	490978	22.726	ug/l	97
68) m/p-Xylenes	11.843	106	378844	46.181	ug/l	99
69) o-Xylene	12.173	106	185476	23.638	ug/l	96
70) Styrene	12.185	104	331547	24.197	ug/l	98
71) Bromoform	12.349	173	62749	24.558	ug/l #	99
73) Isopropylbenzene	12.473	105	516158	23.299	ug/l	99
74) N-amyl acetate	12.279	43	131871	27.699	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	102963	25.986	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	65824m	21.345	ug/l	
77) Bromobenzene	12.749	156	119274	23.920	ug/l	97
78) n-propylbenzene	12.808	91	642741	23.885	ug/l	99
79) 2-Chlorotoluene	12.896	91	372056	23.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	452341	23.767	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	30753	24.742	ug/l	94
82) 4-Chlorotoluene	12.996	91	384939	23.892	ug/l	99
83) tert-Butylbenzene	13.214	119	391493	23.462	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	449697	23.980	ug/l	100
85) sec-Butylbenzene	13.390	105	592702	23.653	ug/l	99
86) p-Isopropyltoluene	13.502	119	482333	23.392	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	249763	23.900	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	254085	24.519	ug/l	100
89) n-Butylbenzene	13.832	91	474174	24.126	ug/l	100
90) Hexachloroethane	14.096	117	96878	23.972	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	222382	24.407	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	16877	26.690	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	142726	23.661	ug/l	99
94) Hexachlorobutadiene	15.255	225	77694	22.142	ug/l	96
95) Naphthalene	15.384	128	254762	24.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	123218	23.599	ug/l	99

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

03/25/2022
Supervised By :Mahesh
Dadoda

03/25/2022

