

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072751.D
 Acq On : 02 May 2022 17:37
 Operator : VA/SY
 Sample : VD0502SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Quant Time: May 03 08:35:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	298049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	513453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	504489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	191557	49.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.020%		
35) Dibromofluoromethane	7.914	113	184163	51.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.140%		
50) Toluene-d8	10.332	98	637418	49.278	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.560%		
62) 4-Bromofluorobenzene	12.620	95	243766	50.540	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	79529	19.310	ug/l	97
3) Chloromethane	2.209	50	82286	19.211	ug/l	97
4) Vinyl Chloride	2.350	62	76067	19.792	ug/l	100
5) Bromomethane	2.756	94	51276	20.787	ug/l	98
6) Chloroethane	2.915	64	46391	19.367	ug/l	100
7) Trichlorofluoromethane	3.268	101	133182	19.789	ug/l	99
8) Diethyl Ether	3.703	74	39221	20.327	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.097	101	81256	20.336	ug/l	96
10) Methyl Iodide	4.303	142	74931	18.687	ug/l	97
11) Tert butyl alcohol	5.203	59	37406	111.746	ug/l #	84
12) 1,1-Dichloroethene	4.062	96	69792	19.420	ug/l	91
13) Acrolein	3.921	56	29163	116.497	ug/l	95
14) Allyl chloride	4.709	41	115237	19.861	ug/l	92
15) Acrylonitrile	5.415	53	90652	98.860	ug/l	98
16) Acetone	4.156	43	69271	86.543	ug/l	95
17) Carbon Disulfide	4.409	76	218808	19.363	ug/l	100
18) Methyl Acetate	4.720	43	44309	20.903	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	173594	20.149	ug/l	100
20) Methylene Chloride	4.962	84	127498	24.319	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	81634	19.806	ug/l	92
22) Diisopropyl ether	6.362	45	261554	20.492	ug/l	92
23) Vinyl Acetate	6.303	43	695841	98.687	ug/l #	93
24) 1,1-Dichloroethane	6.262	63	155917	20.332	ug/l	98
25) 2-Butanone	7.209	43	107488	95.352	ug/l	97
26) 2,2-Dichloropropane	7.203	77	128757	19.861	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	94145	19.943	ug/l	93
28) Bromochloromethane	7.538	49	57131	19.978	ug/l	89
29) Tetrahydrofuran	7.561	42	68610	95.486	ug/l	92
30) Chloroform	7.703	83	163580	20.160	ug/l	99
31) Cyclohexane	7.985	56	130344	19.273	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	138466	20.023	ug/l	97
36) 1,1-Dichloropropene	8.109	75	116787	19.918	ug/l	98
37) Ethyl Acetate	7.297	43	48675	18.058	ug/l #	96
38) Carbon Tetrachloride	8.091	117	121405	19.946	ug/l	96
39) Methylcyclohexane	9.350	83	129267	19.006	ug/l	95
40) Benzene	8.344	78	339616	20.057	ug/l	99

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41) Methacrylonitrile	7.514	41	29690	18.499	ug/l	94
42) 1,2-Dichloroethane	8.414	62	102450	20.078	ug/l	97
43) Isopropyl Acetate	8.450	43	94401	18.975	ug/l	93
44) Trichloroethene	9.108	130	88727	19.586	ug/l	100
45) 1,2-Dichloropropane	9.379	63	89722	20.176	ug/l	95
46) Dibromomethane	9.467	93	47951	19.548	ug/l	96
47) Bromodichloromethane	9.655	83	127407	20.190	ug/l	96
48) Methyl methacrylate	9.456	41	45215	18.577	ug/l	88
49) 1,4-Dioxane	9.456	88	10299	372.844	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	250841	97.029	ug/l	96
52) Toluene	10.397	92	220781	20.902	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	115055	19.850	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	139402	20.701	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	66579	20.078	ug/l	98
56) Ethyl methacrylate	10.650	69	76936	19.705	ug/l #	88
57) 1,3-Dichloropropane	10.938	76	116036	20.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	170940	90.301	ug/l	97
59) 2-Hexanone	10.979	43	168219	96.702	ug/l	96
60) Dibromochloromethane	11.132	129	84109	20.148	ug/l	100
61) 1,2-Dibromoethane	11.238	107	65445	20.276	ug/l	100
64) Tetrachloroethene	10.867	164	73488	19.924	ug/l	90
65) Chlorobenzene	11.661	112	237523	20.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	88519	20.186	ug/l	98
67) Ethyl Benzene	11.738	91	405329	20.072	ug/l	99
68) m/p-Xylenes	11.844	106	314846	40.475	ug/l	98
69) o-Xylene	12.173	106	141128	19.426	ug/l	99
70) Styrene	12.185	104	261901	20.807	ug/l	98
71) Bromoform	12.349	173	46827	19.703	ug/l #	96
73) Isopropylbenzene	12.467	105	384847	20.190	ug/l	99
74) N-amyl acetate	12.279	43	92363	19.458	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	79085	20.554	ug/l	95
76) 1,2,3-Trichloropropane	12.767	75	56719m	20.762	ug/l	
77) Bromobenzene	12.749	156	94704	20.923	ug/l	94
78) n-propylbenzene	12.808	91	486011	20.231	ug/l	98
79) 2-Chlorotoluene	12.897	91	282278	20.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	334211	20.678	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23439	19.730	ug/l	92
82) 4-Chlorotoluene	12.996	91	305816	20.857	ug/l	99
83) tert-Butylbenzene	13.214	119	276479	20.121	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	334365	20.697	ug/l	100
85) sec-Butylbenzene	13.391	105	414457	19.998	ug/l	100
86) p-Isopropyltoluene	13.502	119	343900	20.239	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	183929	20.172	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	182631	20.113	ug/l	98
89) n-Butylbenzene	13.826	91	322986	19.622	ug/l	100
90) Hexachloroethane	14.096	117	67170	19.296	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	165531	20.830	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11079	18.164	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	93125	19.787	ug/l	99
94) Hexachlorobutadiene	15.249	225	49961	19.438	ug/l	100
95) Naphthalene	15.385	128	163692	18.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	84045	20.145	ug/l	98

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

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