

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073014.D
 Acq On : 14 May 2022 03:52
 Operator : VA/SY
 Sample : VD0513SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 16 05:20:03 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

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	289828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	494538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	475098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	233504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176461	46.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.800%		
35) Dibromofluoromethane	7.908	113	180516	51.974	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.940%		
50) Toluene-d8	10.332	98	641509	51.491	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.980%		
62) 4-Bromofluorobenzene	12.620	95	238953	51.437	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	70663	17.644	ug/l	92
3) Chloromethane	2.209	50	73684	17.691	ug/l	95
4) Vinyl Chloride	2.344	62	68148	18.234	ug/l	96
5) Bromomethane	2.750	94	47641	19.790	ug/l	93
6) Chloroethane	2.915	64	43845	18.823	ug/l	99
7) Trichlorofluoromethane	3.267	101	128757	19.674	ug/l	99
8) Diethyl Ether	3.709	74	36137	19.260	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	77505	19.948	ug/l	97
10) Methyl Iodide	4.297	142	75242	19.296	ug/l	100
11) Tert butyl alcohol	5.197	59	52251	160.521	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	69006	19.745	ug/l	82
13) Acrolein	3.920	56	17695	65.869	ug/l	98
14) Allyl chloride	4.709	41	112629	19.962	ug/l	92
15) Acrylonitrile	5.414	53	92407	103.632	ug/l	94
16) Acetone	4.156	43	63763	81.132	ug/l	92
17) Carbon Disulfide	4.409	76	193327	17.593	ug/l	99
18) Methyl Acetate	4.720	43	51947	25.253	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	168440	20.105	ug/l	96
20) Methylene Chloride	4.962	84	109244	20.573	ug/l	92
21) trans-1,2-Dichloroethene	5.461	96	82535	20.592	ug/l	87
22) Diisopropyl ether	6.367	45	246518	19.861	ug/l #	89
23) Vinyl Acetate	6.297	43	642099	93.649	ug/l	96
24) 1,1-Dichloroethane	6.256	63	153044	20.523	ug/l	98
25) 2-Butanone	7.208	43	108146	98.657	ug/l	95
26) 2,2-Dichloropropane	7.203	77	112295	17.813	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	93365	20.338	ug/l	91
28) Bromochloromethane	7.538	49	49760	17.894	ug/l	87
29) Tetrahydrofuran	7.561	42	71245	101.966	ug/l	94
30) Chloroform	7.703	83	164608	20.862	ug/l	97
31) Cyclohexane	7.979	56	121338	18.450	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	135381	20.132	ug/l	96
36) 1,1-Dichloropropene	8.108	75	110972	19.650	ug/l	96
37) Ethyl Acetate	7.291	43	49660	19.128	ug/l #	92
38) Carbon Tetrachloride	8.091	117	118102	20.146	ug/l	96
39) Methylcyclohexane	9.350	83	116154	17.732	ug/l	96
40) Benzene	8.344	78	332281	20.374	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	32613	21.097	ug/l	94
42) 1,2-Dichloroethane	8.414	62	99790	20.305	ug/l	96
43) Isopropyl Acetate	8.444	43	93914	19.599	ug/l #	93
44) Trichloroethene	9.108	130	88260	20.228	ug/l	98
45) 1,2-Dichloropropane	9.379	63	89483	20.892	ug/l	95
46) Dibromomethane	9.467	93	46632	19.737	ug/l	95
47) Bromodichloromethane	9.655	83	123508	20.321	ug/l	92
48) Methyl methacrylate	9.450	41	47165	20.120	ug/l	91
49) 1,4-Dioxane	9.461	88	9596	360.681	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	258191	103.692	ug/l	95
52) Toluene	10.397	92	216354	21.266	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	107109	19.186	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	129046	19.896	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	67383	21.097	ug/l	94
56) Ethyl methacrylate	10.649	69	76678	20.390	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	110544	20.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	161567	88.614	ug/l	97
59) 2-Hexanone	10.973	43	168534	100.589	ug/l	97
60) Dibromochloromethane	11.132	129	83024	20.649	ug/l	98
61) 1,2-Dibromoethane	11.238	107	63467	20.415	ug/l	99
64) Tetrachloroethene	10.867	164	72330	20.823	ug/l	95
65) Chlorobenzene	11.661	112	230804	21.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	90260	21.856	ug/l	96
67) Ethyl Benzene	11.738	91	397527	20.903	ug/l	100
68) m/p-Xylenes	11.844	106	311484	42.520	ug/l	99
69) o-Xylene	12.167	106	143639	20.995	ug/l	95
70) Styrene	12.185	104	251695	21.234	ug/l	97
71) Bromoform	12.349	173	47580	21.259	ug/l #	99
73) Isopropylbenzene	12.467	105	381921	21.022	ug/l	99
74) N-amyl acetate	12.279	43	88128	19.479	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	77996	21.268	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	54264m	20.841	ug/l	
77) Bromobenzene	12.749	156	89900	20.839	ug/l	94
78) n-propylbenzene	12.808	91	482687	21.081	ug/l	99
79) 2-Chlorotoluene	12.896	91	282301	21.106	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	327136	21.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	19292	17.039	ug/l	95
82) 4-Chlorotoluene	12.991	91	296205	21.195	ug/l	99
83) tert-Butylbenzene	13.208	119	263415	20.113	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	322957	20.974	ug/l	98
85) sec-Butylbenzene	13.385	105	415465	21.033	ug/l	100
86) p-Isopropyltoluene	13.502	119	340480	21.024	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	183412	21.105	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	184084	21.270	ug/l	98
89) n-Butylbenzene	13.826	91	315924	20.137	ug/l	100
90) Hexachloroethane	14.096	117	71650	21.596	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	160105	21.139	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	12217	21.015	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	90687	20.218	ug/l	99
94) Hexachlorobutadiene	15.249	225	47963	19.579	ug/l	97
95) Naphthalene	15.379	128	166828	20.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	79354	19.957	ug/l	99

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

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