

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040122\
 Data File : VD072497.D
 Acq On : 01 Apr 2022 12:35
 Operator : VA/SY
 Sample : VD0401SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/04/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Apr 02 02:36:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	394208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	638761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	589582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	313680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207889	43.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.180%		
35) Dibromofluoromethane	7.909	113	231376	46.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.220%		
50) Toluene-d8	10.332	98	787537	45.640	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.280%		
62) 4-Bromofluorobenzene	12.620	95	314148	46.616	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	55314	17.680	ug/l	98
3) Chloromethane	2.209	50	44146	15.256	ug/l	98
4) Vinyl Chloride	2.344	62	46909	14.786	ug/l	98
5) Bromomethane	2.744	94	34686	15.555	ug/l	92
6) Chloroethane	2.903	64	35657	16.730	ug/l	99
7) Trichlorofluoromethane	3.268	101	120012	17.673	ug/l	96
8) Diethyl Ether	3.709	74	33750	16.724	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.091	101	82530	18.223	ug/l	98
10) Methyl Iodide	4.291	142	55085	15.806	ug/l	100
11) Tert butyl alcohol	5.220	59	22630	89.862	ug/l #	89
12) 1,1-Dichloroethene	4.062	96	58858	16.623	ug/l	86
13) Acrolein	3.921	56	16268	145.570	ug/l	99
14) Allyl chloride	4.709	41	92266	15.632	ug/l #	91
15) Acrylonitrile	5.420	53	87345	86.547	ug/l	98
16) Acetone	4.156	43	71648	80.575	ug/l	95
17) Carbon Disulfide	4.403	76	77592	13.011	ug/l	97
18) Methyl Acetate	4.715	43	51416	20.525	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	184720	17.874	ug/l	96
20) Methylene Chloride	4.962	84	91206	17.229	ug/l #	83
21) trans-1,2-Dichloroethene	5.467	96	65019	15.572	ug/l #	80
22) Diisopropyl ether	6.362	45	250964	17.642	ug/l #	89
23) Vinyl Acetate	6.303	43	560386	77.686	ug/l	95
24) 1,1-Dichloroethane	6.256	63	152979	17.846	ug/l	98
25) 2-Butanone	7.209	43	107794	87.652	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	138449	18.184	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	91382	16.998	ug/l	93
28) Bromochloromethane	7.544	49	72952	19.862	ug/l #	75
29) Tetrahydrofuran	7.561	42	61459	82.775	ug/l #	88
30) Chloroform	7.709	83	176151	18.268	ug/l	100
31) Cyclohexane	7.979	56	94235	15.113	ug/l #	76
32) 1,1,1-Trichloroethane	7.903	97	150045	18.346	ug/l	95
36) 1,1-Dichloropropene	8.109	75	98679	16.330	ug/l	97
37) Ethyl Acetate	7.285	43	47650	18.116	ug/l #	94
38) Carbon Tetrachloride	8.097	117	126485	18.495	ug/l	96
39) Methylcyclohexane	9.350	83	99310	15.546	ug/l	98
40) Benzene	8.344	78	307195	17.720	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	26559	18.363	ug/l #	79
42) 1,2-Dichloroethane	8.420	62	98976	18.678	ug/l	96
43) Isopropyl Acetate	8.444	43	87308	17.304	ug/l #	90
44) Trichloroethene	9.108	130	86370	17.548	ug/l	90
45) 1,2-Dichloropropane	9.379	63	91227	18.917	ug/l	94
46) Dibromomethane	9.473	93	46033	18.194	ug/l	95
47) Bromodichloromethane	9.656	83	141546	19.473	ug/l	96
48) Methyl methacrylate	9.450	41	40212	16.416	ug/l #	76
49) 1,4-Dioxane	9.461	88	10828	359.762	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	246105	90.905	ug/l	91
52) Toluene	10.397	92	211852	18.394	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	118910	18.773	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	138520	18.496	ug/l #	88
55) 1,1,2-Trichloroethane	10.797	97	76942	20.059	ug/l	95
56) Ethyl methacrylate	10.655	69	80279	17.807	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	117040	18.457	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	206415	108.997	ug/l	93
59) 2-Hexanone	10.979	43	164988	89.619	ug/l	91
60) Dibromochloromethane	11.132	129	101072	20.427	ug/l	96
61) 1,2-Dibromoethane	11.238	107	64004	18.793	ug/l	96
64) Tetrachloroethene	10.873	164	70460	18.291	ug/l	95
65) Chlorobenzene	11.661	112	249495	18.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	104694	19.866	ug/l	97
67) Ethyl Benzene	11.738	91	422483	18.369	ug/l	98
68) m/p-Xylenes	11.850	106	326318	37.397	ug/l	98
69) o-Xylene	12.173	106	161487	19.181	ug/l	94
70) Styrene	12.185	104	287120	19.351	ug/l	97
71) Bromoform	12.349	173	57125	20.447	ug/l #	100
73) Isopropylbenzene	12.473	105	453933	17.919	ug/l	100
74) N-amyl acetate	12.279	43	91952	17.299	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	89225	18.595	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	67216m	19.647	ug/l	
77) Bromobenzene	12.749	156	104037	18.322	ug/l	93
78) n-propylbenzene	12.808	91	556865	18.221	ug/l	99
79) 2-Chlorotoluene	12.897	91	330577	18.496	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	404147	18.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	24689	17.708	ug/l	93
82) 4-Chlorotoluene	12.996	91	343784	18.469	ug/l	99
83) tert-Butylbenzene	13.214	119	354203	18.858	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	401531	18.926	ug/l	99
85) sec-Butylbenzene	13.391	105	532786	18.831	ug/l	99
86) p-Isopropyltoluene	13.502	119	439308	18.997	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	227620	19.346	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	227707	19.202	ug/l	99
89) n-Butylbenzene	13.832	91	418001	18.974	ug/l	99
90) Hexachloroethane	14.096	117	91885	19.409	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	200322	19.304	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	13662	19.252	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	123694	19.230	ug/l	99
94) Hexachlorobutadiene	15.249	225	72313	20.070	ug/l	98
95) Naphthalene	15.385	128	212739	17.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	113029	20.133	ug/l	98

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

