

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071099.D
 Acq On : 01 Dec 2021 11:38
 Operator : VA/SY
 Sample : VD1201SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1201SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2021
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 02 03:13:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	284769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	480067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	429053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	200871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158682	47.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.980%		
35) Dibromofluoromethane	7.914	113	146665	47.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.960%		
50) Toluene-d8	10.338	98	551574	47.412	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.820%		
62) 4-Bromofluorobenzene	12.626	95	193952	48.096	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	49991	20.586	ug/l	96
3) Chloromethane	2.209	50	69000	21.477	ug/l	99
4) Vinyl Chloride	2.350	62	73046	20.379	ug/l	97
5) Bromomethane	2.773	94	54458	21.076	ug/l	100
6) Chloroethane	2.926	64	50383	20.437	ug/l	98
7) Trichlorofluoromethane	3.279	101	93516	19.260	ug/l	93
8) Diethyl Ether	3.714	74	25062	19.039	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.109	101	54914	19.169	ug/l	96
10) Methyl Iodide	4.303	142	48518	17.801	ug/l	96
11) Tert butyl alcohol	5.179	59	39002	156.071	ug/l #	71
12) 1,1-Dichloroethene	4.079	96	50079	18.943	ug/l	89
13) Acrolein	3.926	56	23054	100.962	ug/l	93
14) Allyl chloride	4.714	41	92645	18.450	ug/l #	81
15) Acrylonitrile	5.420	53	60153	93.964	ug/l	98
16) Acetone	4.156	43	54645	84.797	ug/l	90
17) Carbon Disulfide	4.414	76	151514	19.575	ug/l	100
18) Methyl Acetate	4.720	43	45777	18.568	ug/l	92
19) Methyl tert-butyl Ether	5.485	73	116972	18.055	ug/l	98
20) Methylene Chloride	4.973	84	70172	18.151	ug/l	89
21) trans-1,2-Dichloroethene	5.479	96	57468	19.311	ug/l	96
22) Diisopropyl ether	6.361	45	185432	18.432	ug/l	91
23) Vinyl Acetate	6.308	43	422717	96.458	ug/l	97
24) 1,1-Dichloroethane	6.267	63	109166	18.865	ug/l	94
25) 2-Butanone	7.208	43	80686	98.163	ug/l #	86
26) 2,2-Dichloropropane	7.208	77	94393	17.939	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	63168	18.763	ug/l	90
28) Bromochloromethane	7.550	49	52808	21.011	ug/l	90
29) Tetrahydrofuran	7.561	42	49027	92.401	ug/l	93
30) Chloroform	7.708	83	110528	19.032	ug/l	100
31) Cyclohexane	7.991	56	105815	18.617	ug/l #	95
32) 1,1,1-Trichloroethane	7.902	97	97851	18.767	ug/l #	95
36) 1,1-Dichloropropene	8.108	75	83649	18.643	ug/l	97
37) Ethyl Acetate	7.297	43	37613	19.407	ug/l #	90
38) Carbon Tetrachloride	8.102	117	83724	18.930	ug/l	94
39) Methylcyclohexane	9.355	83	101819	18.867	ug/l	97
40) Benzene	8.350	78	234281	19.223	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	21612	24.936	ug/l #	51
42) 1,2-Dichloroethane	8.426	62	70494	18.949	ug/l	96
43) Isopropyl Acetate	8.449	43	68789	19.668	ug/l	91
44) Trichloroethene	9.108	130	61729	18.996	ug/l	98
45) 1,2-Dichloropropane	9.385	63	60115	18.756	ug/l	96
46) Dibromomethane	9.479	93	29375	17.665	ug/l	98
47) Bromodichloromethane	9.661	83	82181	18.688	ug/l	96
48) Methyl methacrylate	9.449	41	32989	17.389	ug/l #	84
49) 1,4-Dioxane	9.467	88	5181	322.768	ug/l #	65
51) 4-Methyl-2-Pentanone	10.220	43	173699	100.384	ug/l	91
52) Toluene	10.402	92	146401	18.932	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	75471	18.666	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	84827	17.662	ug/l #	82
55) 1,1,2-Trichloroethane	10.791	97	41411	18.983	ug/l	92
56) Ethyl methacrylate	10.655	69	49682	19.901	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	74829	19.527	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	152081	102.451	ug/l	97
59) 2-Hexanone	10.979	43	118583	96.624	ug/l	90
60) Dibromochloromethane	11.138	129	53893	19.878	ug/l	94
61) 1,2-Dibromoethane	11.238	107	39400	18.806	ug/l	97
64) Tetrachloroethene	10.867	164	53369	19.593	ug/l	93
65) Chlorobenzene	11.667	112	152062	19.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	53568	18.429	ug/l	99
67) Ethyl Benzene	11.738	91	276583	18.456	ug/l	99
68) m/p-Xylenes	11.849	106	210845	37.266	ug/l	96
69) o-Xylene	12.173	106	99247	18.664	ug/l	97
70) Styrene	12.185	104	166108	18.534	ug/l	96
71) Bromoform	12.355	173	26660	17.704	ug/l #	95
73) Isopropylbenzene	12.473	105	263343	18.106	ug/l	100
74) N-amyl acetate	12.285	43	60245	19.105	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	44185	18.447	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	32598m	17.033	ug/l	
77) Bromobenzene	12.755	156	58783	18.659	ug/l	97
78) n-propylbenzene	12.814	91	331235	18.287	ug/l	99
79) 2-Chlorotoluene	12.896	91	185850	18.281	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	218951	18.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	12014	18.760	ug/l #	71
82) 4-Chlorotoluene	12.996	91	191242	18.120	ug/l	99
83) tert-Butylbenzene	13.214	119	186980	18.153	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	215339	18.390	ug/l	98
85) sec-Butylbenzene	13.390	105	288106	18.313	ug/l	99
86) p-Isopropyltoluene	13.508	119	234465	18.222	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	119516	19.058	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	116718	18.785	ug/l	98
89) n-Butylbenzene	13.832	91	230516	18.352	ug/l	98
90) Hexachloroethane	14.102	117	44409	18.206	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	102185	19.160	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	7257	18.605	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	62366	18.747	ug/l	99
94) Hexachlorobutadiene	15.249	225	36386	19.331	ug/l	99
95) Naphthalene	15.384	128	103988	17.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	53122	18.801	ug/l	98

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

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