

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
 Data File : VD070953.D
 Acq On : 09 Nov 2021 16:48
 Operator : VA/SY
 Sample : VD1109SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/10/2021
 Supervised By :Mahesh Dadoda 11/16/2021

Quant Time: Nov 10 03:57:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	347917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	629217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	573352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184202	49.727	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.460%		
35) Dibromofluoromethane	7.914	113	176575	49.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.460%		
50) Toluene-d8	10.332	98	673512	48.437	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.880%		
62) 4-Bromofluorobenzene	12.620	95	243817	48.699	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	56552	19.025	ug/l	98
3) Chloromethane	2.209	50	71524	20.221	ug/l	97
4) Vinyl Chloride	2.350	62	65506	19.257	ug/l	97
5) Bromomethane	2.756	94	48705	21.006	ug/l	97
6) Chloroethane	2.915	64	43250	19.796	ug/l #	87
7) Trichlorofluoromethane	3.267	101	98072	17.914	ug/l	95
8) Diethyl Ether	3.709	74	33663	18.579	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	60030	17.788	ug/l	97
10) Methyl Iodide	4.297	142	54387	17.877	ug/l	99
11) Tert butyl alcohol	5.226	59	22963	84.822	ug/l	97
12) 1,1-Dichloroethene	4.062	96	58167	17.606	ug/l	88
13) Acrolein	3.920	56	10725	126.982	ug/l	99
14) Allyl chloride	4.709	41	123274	17.914	ug/l	87
15) Acrylonitrile	5.420	53	79187	91.335	ug/l	98
16) Acetone	4.156	43	62555	77.377	ug/l	88
17) Carbon Disulfide	4.409	76	195023	18.282	ug/l	98
18) Methyl Acetate	4.714	43	58595	18.438	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	156575	18.358	ug/l	96
20) Methylene Chloride	4.967	84	103846	24.440	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	69815	18.437	ug/l	92
22) Diisopropyl ether	6.361	45	251720	18.400	ug/l	96
23) Vinyl Acetate	6.303	43	576147	93.263	ug/l	96
24) 1,1-Dichloroethane	6.256	63	132967	18.197	ug/l	98
25) 2-Butanone	7.208	43	100903	92.060	ug/l	91
26) 2,2-Dichloropropane	7.203	77	105200	17.059	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	78071	18.036	ug/l	95
28) Bromochloromethane	7.544	49	65638	21.179	ug/l	88
29) Tetrahydrofuran	7.561	42	67274	89.383	ug/l	93
30) Chloroform	7.703	83	126220	18.169	ug/l	99
31) Cyclohexane	7.979	56	132811	17.434	ug/l #	94
32) 1,1,1-Trichloroethane	7.903	97	106418	17.835	ug/l	96
36) 1,1-Dichloropropene	8.108	75	97253	17.311	ug/l	97
37) Ethyl Acetate	7.291	43	46927	18.309	ug/l #	92
38) Carbon Tetrachloride	8.097	117	86336	16.688	ug/l	97
39) Methylcyclohexane	9.350	83	122526	16.887	ug/l	98
40) Benzene	8.344	78	281278	17.778	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24664	15.724	ug/l	87
42) 1,2-Dichloroethane	8.420	62	79860	17.821	ug/l	97
43) Isopropyl Acetate	8.450	43	96438	17.778	ug/l	90
44) Trichloroethene	9.108	130	72398	17.753	ug/l	89
45) 1,2-Dichloropropane	9.379	63	75881	17.734	ug/l	95
46) Dibromomethane	9.467	93	36674	18.007	ug/l	96
47) Bromodichloromethane	9.655	83	95042	17.643	ug/l	98
48) Methyl methacrylate	9.449	41	47646	17.905	ug/l #	83
49) 1,4-Dioxane	9.449	88	8294	351.487	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	231621	88.074	ug/l	92
52) Toluene	10.397	92	175723	17.620	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	93399	17.194	ug/l	92
54) cis-1,3-Dichloropropene	10.085	75	114213	17.830	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	49868	17.816	ug/l	95
56) Ethyl methacrylate	10.649	69	71137	17.962	ug/l #	77
57) 1,3-Dichloropropane	10.938	76	90499	17.804	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	207948	100.999	ug/l	99
59) 2-Hexanone	10.979	43	157599	87.684	ug/l	91
60) Dibromochloromethane	11.132	129	61633	18.354	ug/l	98
61) 1,2-Dibromoethane	11.238	107	47585	17.477	ug/l	100
64) Tetrachloroethene	10.867	164	58264	17.427	ug/l	96
65) Chlorobenzene	11.661	112	180498	17.644	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	66409	18.290	ug/l	97
67) Ethyl Benzene	11.738	91	339244	17.511	ug/l	98
68) m/p-Xylenes	11.843	106	254044	35.086	ug/l	95
69) o-Xylene	12.167	106	123730	17.965	ug/l	99
70) Styrene	12.185	104	211398	18.128	ug/l	99
71) Bromoform	12.349	173	33531	17.709	ug/l #	97
73) Isopropylbenzene	12.467	105	321913	16.984	ug/l	99
74) N-amyl acetate	12.279	43	91205	16.843	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	54430	16.684	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	35570m	15.827	ug/l	
77) Bromobenzene	12.749	156	70534	17.417	ug/l	95
78) n-propylbenzene	12.808	91	400982	17.073	ug/l	100
79) 2-Chlorotoluene	12.896	91	226981	16.950	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	267363	17.132	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	16508	16.555	ug/l #	82
82) 4-Chlorotoluene	12.996	91	237226	17.165	ug/l	100
83) tert-Butylbenzene	13.208	119	227456	16.920	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	261646	17.119	ug/l	99
85) sec-Butylbenzene	13.390	105	343152	16.979	ug/l	99
86) p-Isopropyltoluene	13.502	119	275246	16.960	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	139584	17.628	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	136630	17.234	ug/l	96
89) n-Butylbenzene	13.826	91	275053	16.865	ug/l	100
90) Hexachloroethane	14.096	117	53523	16.666	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	122061	17.790	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	8851	16.542	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	76243	17.368	ug/l	98
94) Hexachlorobutadiene	15.243	225	36405	16.444	ug/l	97
95) Naphthalene	15.379	128	145165	17.319	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	66028	17.889	ug/l	99

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

