

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070965.D
 Acq On : 10 Nov 2021 11:23
 Operator : VA/SY
 Sample : VD1110SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 06:27:08 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	330194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	582356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	529429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174938	49.761	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.520%		
35) Dibromofluoromethane	7.909	113	164554	50.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.160%		
50) Toluene-d8	10.332	98	623678	48.463	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.920%		
62) 4-Bromofluorobenzene	12.620	95	222489	48.015	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	57571	20.407	ug/l	99
3) Chloromethane	2.209	50	69535	20.714	ug/l	99
4) Vinyl Chloride	2.344	62	69402	21.497	ug/l	95
5) Bromomethane	2.756	94	47729	21.690	ug/l	95
6) Chloroethane	2.915	64	42582	20.536	ug/l	98
7) Trichlorofluoromethane	3.268	101	98488	18.955	ug/l	96
8) Diethyl Ether	3.703	74	29915	17.397	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	59128	18.461	ug/l	97
10) Methyl Iodide	4.303	142	52081	17.983	ug/l	99
11) Tert butyl alcohol	5.220	59	22877	89.040	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	57405	18.308	ug/l	93
13) Acrolein	3.926	56	10102	125.984	ug/l	97
14) Allyl chloride	4.709	41	114012	17.457	ug/l #	85
15) Acrylonitrile	5.415	53	73945	89.867	ug/l	98
16) Acetone	4.156	43	61649	79.589	ug/l #	83
17) Carbon Disulfide	4.403	76	181308	17.908	ug/l	96
18) Methyl Acetate	4.715	43	58339	19.343	ug/l #	89
19) Methyl tert-butyl Ether	5.479	73	143489	17.727	ug/l	96
20) Methylene Chloride	4.956	84	78516	19.383	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	63891	17.778	ug/l	92
22) Diisopropyl ether	6.356	45	226370	17.435	ug/l	94
23) Vinyl Acetate	6.297	43	526645	90.599	ug/l	96
24) 1,1-Dichloroethane	6.262	63	123046	17.743	ug/l	98
25) 2-Butanone	7.203	43	94986	91.479	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	101852	17.402	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	72265	17.591	ug/l	94
28) Bromochloromethane	7.538	49	58550	19.906	ug/l	89
29) Tetrahydrofuran	7.562	42	63648	89.105	ug/l	91
30) Chloroform	7.709	83	118667	17.998	ug/l	99
31) Cyclohexane	7.979	56	128885	17.827	ug/l #	90
32) 1,1,1-Trichloroethane	7.897	97	101494	17.923	ug/l	96
36) 1,1-Dichloropropene	8.109	75	92758	17.840	ug/l	98
37) Ethyl Acetate	7.285	43	42945	18.103	ug/l #	94
38) Carbon Tetrachloride	8.091	117	86667	18.100	ug/l	96
39) Methylcyclohexane	9.350	83	121174	18.045	ug/l	99
40) Benzene	8.344	78	257328	17.573	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	26777	17.857	ug/l #	82
42) 1,2-Dichloroethane	8.414	62	76268	18.389	ug/l	97
43) Isopropyl Acetate	8.450	43	88996	17.727	ug/l #	90
44) Trichloroethene	9.103	130	65078	17.242	ug/l	86
45) 1,2-Dichloropropane	9.379	63	69210	17.477	ug/l	98
46) Dibromomethane	9.467	93	35144	18.645	ug/l	93
47) Bromodichloromethane	9.656	83	87744	17.599	ug/l	99
48) Methyl methacrylate	9.450	41	43191	17.537	ug/l #	84
49) 1,4-Dioxane	9.456	88	7611	348.497	ug/l #	73
51) 4-Methyl-2-Pentanone	10.220	43	216887	89.108	ug/l	92
52) Toluene	10.397	92	164025	17.770	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	86849	17.274	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	103329	17.429	ug/l #	82
55) 1,1,2-Trichloroethane	10.791	97	45787	17.674	ug/l	92
56) Ethyl methacrylate	10.656	69	63983	17.456	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	83293	17.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	198278	104.051	ug/l	98
59) 2-Hexanone	10.973	43	148928	89.193	ug/l	91
60) Dibromochloromethane	11.132	129	54471	17.527	ug/l	98
61) 1,2-Dibromoethane	11.238	107	43870	17.409	ug/l	96
64) Tetrachloroethene	10.867	164	54653	17.703	ug/l	94
65) Chlorobenzene	11.661	112	167679	17.751	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	58250	17.374	ug/l	99
67) Ethyl Benzene	11.738	91	317536	17.750	ug/l	100
68) m/p-Xylenes	11.844	106	238623	35.690	ug/l	99
69) o-Xylene	12.173	106	110446	17.367	ug/l	95
70) Styrene	12.185	104	189366	17.586	ug/l	98
71) Bromoform	12.350	173	31408	17.964	ug/l #	100
73) Isopropylbenzene	12.467	105	297331	17.178	ug/l	99
74) N-amyl acetate	12.279	43	81594	16.501	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	51659	17.340	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	40169m	19.573	ug/l	
77) Bromobenzene	12.749	156	64389	17.411	ug/l	95
78) n-propylbenzene	12.808	91	374141	17.445	ug/l	100
79) 2-Chlorotoluene	12.897	91	209299	17.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	243698	17.100	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	16052	17.411	ug/l #	86
82) 4-Chlorotoluene	12.991	91	212811	16.862	ug/l	99
83) tert-Butylbenzene	13.208	119	213136	17.362	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	240179	17.209	ug/l	99
85) sec-Butylbenzene	13.391	105	319240	17.297	ug/l	98
86) p-Isopropyltoluene	13.502	119	260989	17.611	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	129228	17.872	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	128691	17.776	ug/l	97
89) n-Butylbenzene	13.826	91	258469	17.354	ug/l	100
90) Hexachloroethane	14.096	117	48698	16.606	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	109472	17.472	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	7908	16.185	ug/l	99
93) 1,2,4-Trichlorobenzene	15.144	180	68244	17.024	ug/l	97
94) Hexachlorobutadiene	15.249	225	36830	18.217	ug/l	99
95) Naphthalene	15.379	128	130451	17.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	62137	18.435	ug/l	99

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

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