

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112123\
 Data File : VD077653.D
 Acq On : 21 Nov 2023 18:47
 Operator : JC/SY
 Sample : 05438-07MS
 Misc : 5.03G/10ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EY1G7MS

Quant Time: Nov 22 01:43:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 22 01:40:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	4598	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.581	117	3043	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	1002	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	1160	9.917	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	39.680%
7) Chloroethane-d5	2.805	69	1144	12.450	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.800%
11) 1,1-Dichloroethene-d2	3.940	65	141	3.898	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	15.600%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
24) Chloroform-d	7.558	84	1313	9.885	ug/L	-0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	39.560%#
26) 1,2-Dichloroethane-d4	8.228	65	1076	15.229	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	60.920%#
32) Benzene-d6	8.205	84	4815	24.380	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.520%
36) 1,2-Dichloropropane-d6	9.199	67	620	9.638	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	38.560%#
41) Toluene-d8	10.269	98	3387	18.978	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.920%
43) trans-1,3-Dichloroprop...	10.522	79	148	5.336	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	21.360%#
47) 2-Hexanone-d5	10.746	63	77	6.691	ug/L	-0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	13.380%#
56) 1,1,2,2-Tetrachloroeth...	12.657	84	1121	26.300	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	13.822	152	826	23.172	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	971	13.113	ug/L	# 81
3) Chloromethane	2.146	50	1258	11.808	ug/L	# 60
5) Vinyl chloride	2.287	62	1354	11.260	ug/L	100
8) Chloroethane	2.846	64	455	6.087	ug/L	# 46
9) Trichlorofluoromethane	3.187	101	1077	9.842	ug/L	# 83
10) 1,1,2-Trichloro-1,2,2-...	3.987	101	409	6.074	ug/L	# 21
12) 1,1-Dichloroethene	3.952	96	493	7.540	ug/L	# 64
13) Acetone	4.011	43	362	17.006	ug/L	# 43
14) Carbon disulfide	4.287	76	2379	10.104	ug/L	# 76
15) Methyl Acetate	4.569	43	140	3.998	ug/L	# 56
16) Methylene chloride	4.805	84	1023	13.178	ug/L	90
17) trans-1,2-Dichloroethene	5.334	96	355	5.161	ug/L	78
18) Methyl tert-butyl Ether	5.305	73	639	3.958	ug/L	# 58
19) 1,1-Dichloroethane	6.111	63	2152	15.594	ug/L	# 84
20) cis-1,2-Dichloroethene	7.093	96	1359	18.186	ug/L	# 69
22) 2-Butanone	7.087	43	533	20.810	ug/L	# 49
23) Bromochloromethane	7.422	128	338	11.257	ug/L	# 78
25) Chloroform	7.605	83	903	7.123	ug/L	94
27) 1,2-Dichloroethane	8.328	62	1673	19.907	ug/L	# 73

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

29) Cyclohexane	7.887	56	732	7.409	ug/L #	47
30) 1,1,1-Trichloroethane	7.799	97	463	5.812	ug/L #	29
31) Carbon tetrachloride	7.999	117	370	5.404	ug/L #	1
33) Benzene	8.252	78	5026	23.818	ug/L	100
34) Trichloroethene	9.034	95	885	16.925	ug/L #	80
35) Methylcyclohexane	9.281	83	1241	13.152	ug/L #	35
37) 1,2-Dichloropropane	9.304	63	1407	23.984	ug/L #	88
38) Bromodichloromethane	9.581	83	940	13.969	ug/L #	79
39) cis-1,3-Dichloropropene	10.016	75	1187	13.168	ug/L	85
40) 4-Methyl-2-pentanone	10.152	43	1402	39.218	ug/L #	61
42) Toluene	10.334	91	4707	21.246	ug/L #	73
44) trans-1,3-Dichloropropene	10.546	75	660	8.861	ug/L	92
45) 1,1,2-Trichloroethane	10.734	97	955	26.632	ug/L #	62
46) Tetrachloroethene	10.810	164	336	8.733	ug/L	92
48) 2-Hexanone	10.928	43	459	16.198	ug/L #	91
49) Dibromochloromethane	11.069	129	746	18.314	ug/L #	68
50) 1,2-Dibromoethane	11.175	107	680	19.830	ug/L #	99
51) Chlorobenzene	11.604	112	2714	20.910	ug/L #	68
52) Ethylbenzene	11.681	91	3693	15.149	ug/L	89
53) m,p-Xylene	11.787	106	1476	16.639	ug/L	71
54) o-Xylene	12.122	106	1344	15.819	ug/L #	51
55) Styrene	12.128	104	2160	14.561	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.669	83	819	19.388	ug/L #	76
59) Bromoform	12.293	173	68	3.980	ug/L #	36
60) Isopropylbenzene	12.416	105	3232	19.941	ug/L #	91
61) 1,2,3-Trichloropropane	12.716	75	663	31.063	ug/L #	42
62) 1,3,5-Trimethylbenzene	12.910	105	2290	18.617	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	2135	17.134	ug/L	91
64) 1,3-Dichlorobenzene	13.457	146	1296	19.491	ug/L #	79
65) 1,4-Dichlorobenzene	13.540	146	826	12.309	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	804	13.677	ug/L #	79

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

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