

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071223\
 Data File : VW026603.D
 Acq On : 12 Jul 2023 10:49
 Operator : SY/MD
 Sample : 03573-03 1 PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

Quant Time: Jul 13 04:48:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 13 04:40:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	617489	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	555292	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	259490	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	211778	20.332	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	81.320%		
7) Chloroethane-d5	2.893	69	159338	21.801	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.200%		
11) 1,1-Dichloroethene-d2	4.021	65	100153	20.475	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	81.920%		
21) 2-Butanone-d5	7.075	46	149545	44.425	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	88.860%		
24) Chloroform-d	7.648	84	395340	22.238	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.960%		
26) 1,2-Dichloroethane-d4	8.307	65	235728m	23.748	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.000%		
32) Benzene-d6	8.276	84	840427	22.047	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	88.200%		
36) 1,2-Dichloropropane-d6	9.270	67	265150	22.621	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	90.480%		
41) Toluene-d8	10.325	98	720060	22.024	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	88.080%		
43) trans-1,3-Dichloroprop...	10.575	79	101884	21.691	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	86.760%		
47) 2-Hexanone-d5	10.922	63	98480	43.058	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.120%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	220756	22.240	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	88.960%		
66) 1,2-Dichlorobenzene-d4	13.848	152	227213	23.849	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.027	85	8964m	1.287	ug/L	
3) Chloromethane	2.216	50	12627	1.269	ug/L	90
5) Vinyl chloride	2.375	62	14713m	1.403	ug/L	
6) Bromomethane	2.789	94	7120	1.277	ug/L	91
8) Chloroethane	2.930	64	7449	1.270	ug/L	88
9) Trichlorofluoromethane	3.265	101	8260	1.063	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	14471m	1.678	ug/L	
12) 1,1-Dichloroethene	4.045	96	12910m	1.561	ug/L	
13) Acetone	4.124	43	9343m	3.859	ug/L	
14) Carbon disulfide	4.393	76	35157	1.212	ug/L	97
15) Methyl Acetate	4.673	43	7988m	1.373	ug/L	
16) Methylene chloride	4.917	84	22172	2.033	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	11322	1.280	ug/L	82
18) Methyl tert-butyl Ether	5.417	73	16282	1.176	ug/L #	79
19) 1,1-Dichloroethane	6.216	63	22713	1.284	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	11571	1.263	ug/L	99
22) 2-Butanone	7.173	43	14814m	4.018	ug/L	
23) Bromochloromethane	7.520	128	5084	1.296	ug/L #	83
25) Chloroform	7.673	83	20995	1.296	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	15938	1.397	ug/L #	93
29) Cyclohexane	7.959	56	18004	1.041	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	17222	1.265	ug/L	99
31) Carbon tetrachloride	8.069	117	15338	1.241	ug/L	98
33) Benzene	8.325	78	54343	1.420	ug/L	100
34) Trichloroethene	9.093	95	12472	1.269	ug/L	97
35) Methylcyclohexane	9.337	83	19185	1.087	ug/L	94
37) 1,2-Dichloropropane	9.367	63	13410	1.320	ug/L	98
38) Bromodichloromethane	9.642	83	14278	1.237	ug/L	94
39) cis-1,3-Dichloropropene	10.075	75	16840	1.151	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	17430	2.273	ug/L	96
42) Toluene	10.386	91	48118	1.245	ug/L	90
44) trans-1,3-Dichloropropene	10.605	75	14462m	1.172	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	9033	1.274	ug/L #	85
46) Tetrachloroethene	10.861	164	8493	1.217	ug/L	90
48) 2-Hexanone	10.965	43	14948m	2.793	ug/L	
49) Dibromochloromethane	11.123	129	9055	1.290	ug/L	100
50) 1,2-Dibromoethane	11.233	107	8569	1.282	ug/L #	95
51) Chlorobenzene	11.654	112	30299	1.279	ug/L	94
52) Ethylbenzene	11.727	91	49190	1.144	ug/L	99
53) m,p-Xylene	11.843	106	17487	1.117	ug/L	83
54) o-Xylene	12.166	106	15713	1.070	ug/L	92
55) Styrene	12.178	104	26197	1.057	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.708	83	11744	1.262	ug/L #	93
59) Bromoform	12.343	173	5183	1.263	ug/L #	97
60) Isopropylbenzene	12.458	105	40210	1.002	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	8654	1.235	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	31361	1.018	ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	29526	0.967	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	20449	1.214	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	23199	1.381	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	20258	1.359	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.482	75	2241	1.343	ug/L #	76
69) 1,3,5-Trichlorobenzene	14.623	180	15251	1.368	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	12058	1.318	ug/L	98
71) Naphthalene	15.360	128	22029	1.063	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	10337	1.200	ug/L	92

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

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