

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041023\
 Data File : VW025568.D
 Acq On : 10 Apr 2023 11:02
 Operator : SY/MD
 Sample : 02215-04 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2023-04DL

Quant Time: Apr 11 02:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 11 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	733412	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	654248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	305879	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	250868	21.020	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.080%
7) Chloroethane-d5	2.899	69	188026	22.128	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.520%
11) 1,1-Dichloroethene-d2	4.021	63	409198	16.954	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.800%
21) 2-Butanone-d5	7.075	46	135797	51.004	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.000%
24) Chloroform-d	7.648	84	492299	23.907	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.640%
26) 1,2-Dichloroethane-d4	8.307	65	264879	24.725	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.880%
32) Benzene-d6	8.276	84	1023336	24.156	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.640%
36) 1,2-Dichloropropane-d6	9.270	67	327484	24.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.160%
41) Toluene-d8	10.325	98	893748	24.152	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	10.575	79	114784	23.178	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.720%
47) 2-Hexanone-d5	10.922	63	88332	48.924	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	221444	24.838	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.360%
66) 1,2-Dichlorobenzene-d4	13.848	152	278421	26.495	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	10409m	1.015	ug/L	
3) Chloromethane	2.216	50	12168	1.023	ug/L	100
5) Vinyl chloride	2.369	62	15995m	1.216	ug/L	
6) Bromomethane	2.783	94	7622	1.077	ug/L	97
8) Chloroethane	2.924	64	7854m	1.066	ug/L	
9) Trichlorofluoromethane	3.259	101	8341	0.823	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	15486m	1.523	ug/L	
12) 1,1-Dichloroethene	4.045	96	15079m	1.481	ug/L	
13) Acetone	4.125	43	6946m	3.082	ug/L	
14) Carbon disulfide	4.393	76	39199	1.092	ug/L	98
15) Methyl Acetate	4.673	43	6029m	1.191	ug/L	
16) Methylene chloride	4.917	84	25426	2.181	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	12582	1.163	ug/L	84
18) Methyl tert-butyl Ether	5.423	73	16482	1.104	ug/L #	73
19) 1,1-Dichloroethane	6.216	63	25736	1.190	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	13588	1.207	ug/L #	85
23) Bromochloromethane	7.520	128	5409	1.171	ug/L	97
25) Chloroform	7.673	83	25676	1.299	ug/L	97
27) 1,2-Dichloroethane	8.398	62	15735	1.186	ug/L #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	20216	0.955	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	18460	1.136	ug/L	99
31) Carbon tetrachloride	8.069	117	16587	1.130	ug/L	98
33) Benzene	8.319	78	52564	1.154	ug/L	100
34) Trichloroethene	9.093	95	13129	1.108	ug/L	94
35) Methylcyclohexane	9.337	83	20523	0.960	ug/L	96
37) 1,2-Dichloropropane	9.368	63	14527	1.208	ug/L #	96
38) Bromodichloromethane	9.648	83	16083	1.169	ug/L	89
39) cis-1,3-Dichloropropene	10.075	75	18700	1.084	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	15036	2.209	ug/L	90
42) Toluene	10.386	91	54446	1.174	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	15578	1.095	ug/L	94
45) 1,1,2-Trichloroethane	10.782	97	9269	1.209	ug/L	92
46) Tetrachloroethene	10.867	164	9674	1.161	ug/L	83
48) 2-Hexanone	10.971	43	10350	2.201	ug/L #	86
49) Dibromochloromethane	11.129	129	8962	1.110	ug/L	94
50) 1,2-Dibromoethane	11.233	107	7784	1.105	ug/L	98
51) Chlorobenzene	11.654	112	33799	1.183	ug/L	99
52) Ethylbenzene	11.727	91	57299	1.092	ug/L	99
53) m,p-Xylene	11.837	106	19302	1.003	ug/L	98
54) o-Xylene	12.166	106	18138	1.008	ug/L	94
55) Styrene	12.178	104	28303	0.934	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.714	83	11328	1.233	ug/L	97
59) Bromoform	12.349	173	5179	1.236	ug/L	93
60) Isopropylbenzene	12.465	105	48716	1.017	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	7617	1.202	ug/L	90
62) 1,3,5-Trimethylbenzene	12.940	105	35702	0.944	ug/L	98
63) 1,2,4-Trimethylbenzene	13.251	105	32063	0.880	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	23144	1.166	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	24862	1.226	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	21408	1.230	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.476	75	2095	1.506	ug/L #	73
69) 1,3,5-Trichlorobenzene	14.623	180	15696	1.181	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	12602	1.167	ug/L	94
71) Naphthalene	15.360	128	17998	0.893	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.549	180	10321	1.093	ug/L	90

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

