

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030588.D
 Acq On : 17 Apr 2023 14:59
 Operator : SY/MD
 Sample : 02215-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 18 04:01:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	252491	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	248045	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	122813	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	82819	44.744	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.480%
7) Chloroethane-d5	1.539	69	68589	44.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.440%
11) 1,1-Dichloroethene-d2	2.066	65	38971	44.397	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.800%
21) 2-Butanone-d5	3.802	46	102199m	100.525	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.520%
24) Chloroform-d	4.259	84	144764	43.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.320%
26) 1,2-Dichloroethane-d4	4.954	65	102792	47.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
32) Benzene-d6	4.973	84	276035	47.069	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.140%
36) 1,2-Dichloropropane-d6	5.998	67	86921	47.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	7.252	98	244803	44.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.920%
43) trans-1,3-Dichloroprop...	7.561	79	40809	44.447	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.900%
47) 2-Hexanone-d5	8.034	63	63676	88.732	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.730%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	114839	43.445	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.880%
66) 1,2-Dichlorobenzene-d4	11.571	152	97441	49.917	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4463	2.056	ug/L	97
3) Chloromethane	1.217	50	8190	2.876	ug/L	92
5) Vinyl chloride	1.288	62	5072	2.209	ug/L #	59
6) Bromomethane	1.494	94	2676	2.939	ug/L	95
8) Chloroethane	1.555	64	3367	2.138	ug/L	100
9) Trichlorofluoromethane	1.719	101	7707	2.071	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	5197	2.658	ug/L #	84
12) 1,1-Dichloroethene	2.076	96	4718	2.669	ug/L #	1
13) Acetone	2.130	43	7110m	4.520	ug/L	
14) Carbon disulfide	2.249	76	11211	2.245	ug/L #	93
15) Methyl Acetate	2.388	43	5058m	2.409	ug/L	
16) Methylene chloride	2.455	84	6508	3.217	ug/L	89
17) trans-1,2-Dichloroethene	2.706	96	3874	2.171	ug/L	90
18) Methyl tert-butyl Ether	2.712	73	12220	2.138	ug/L #	93
19) 1,1-Dichloroethane	3.124	63	7675	2.109	ug/L	87
20) cis-1,2-Dichloroethene	3.828	96	4502	2.319	ug/L	94
22) 2-Butanone	3.918	43	8166m	5.023	ug/L	
23) Bromochloromethane	4.179	128	2773m	2.557	ug/L	
25) Chloroform	4.288	83	8849	2.349	ug/L	94

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27) 1,2-Dichloroethane	5.063	62	7747m	2.430	ug/L	
29) Cyclohexane	4.597	56	5898	1.981	ug/L	97
30) 1,1,1-Trichloroethane	4.532	97	7185	2.061	ug/L	92
31) Carbon tetrachloride	4.748	117	6315	2.027	ug/L	87
33) Benzene	5.027	78	15556	2.065	ug/L	100
34) Trichloroethene	5.851	95	4235m	2.162	ug/L	
35) Methylcyclohexane	6.063	83	6568	2.139	ug/L	93
37) 1,2-Dichloropropane	6.108	63	5015m	2.474	ug/L	
38) Bromodichloromethane	6.445	83	6089	2.138	ug/L	96
39) cis-1,3-Dichloropropene	6.970	75	6776m	2.227	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	11157m	3.940	ug/L	
42) Toluene	7.330	91	15583	1.931	ug/L	93
44) trans-1,3-Dichloropropene	7.596	75	6983m	2.336	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	4529	2.228	ug/L	91
46) Tetrachloroethene	7.915	164	3920	2.286	ug/L	95
48) 2-Hexanone	8.092	43	14538m	6.221	ug/L	
49) Dibromochloromethane	8.188	129	4377	1.952	ug/L	100
50) 1,2-Dibromoethane	8.294	107	4422	2.099	ug/L #	97
51) Chlorobenzene	8.822	112	11259	2.107	ug/L	97
52) Ethylbenzene	8.957	91	16524	1.850	ug/L	97
53) m,p-Xylene	9.085	106	6595	1.955	ug/L	98
54) o-Xylene	9.490	106	6292	1.906	ug/L	93
55) Styrene	9.506	104	9606	1.657	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.188	83	7555	2.264	ug/L #	96
59) Bromoform	9.677	173	3408	2.216	ug/L #	94
60) Isopropylbenzene	9.876	105	16521	2.157	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	5125	2.330	ug/L	93
62) 1,3,5-Trimethylbenzene	10.487	105	12393	1.965	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	12938	2.055	ug/L	96
64) 1,3-Dichlorobenzene	11.130	146	9017	2.351	ug/L	94
65) 1,4-Dichlorobenzene	11.220	146	9236	2.284	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	9658	2.497	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.378	75	1815	2.785	ug/L	88
69) 1,3,5-Trichlorobenzene	12.596	180	6278	2.167	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	5677	2.308	ug/L	98
71) Naphthalene	13.448	128	14763	2.194	ug/L	99
72) 1,2,3-Trichlorobenzene	13.690	180	5456	2.237	ug/L	93

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

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