

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071323\
 Data File : VW026608.D
 Acq On : 13 Jul 2023 10:22
 Operator : SY/MD
 Sample : 03573-04 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2023-06

Quant Time: Jul 14 06:29:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 14 06:26:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2023
 Supervised By :Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	641156	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	579595	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	270939	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	208840	19.310	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	77.240%		
7) Chloroethane-d5	2.899	69	154850	20.405	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	81.600%		
11) 1,1-Dichloroethene-d2	4.027	65	102603	20.202	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	80.800%		
21) 2-Butanone-d5	7.075	46	146991	42.054	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	84.100%		
24) Chloroform-d	7.648	84	406003	21.995	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	87.960%		
26) 1,2-Dichloroethane-d4	8.307	65	231961	22.506	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.040%		
32) Benzene-d6	8.270	84	844315	21.220	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	84.880%		
36) 1,2-Dichloropropane-d6	9.276	67	271414	22.185	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	88.720%		
41) Toluene-d8	10.324	98	721751	21.150	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	84.600%		
43) trans-1,3-Dichloroprop...	10.574	79	99083	20.210	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	80.840%		
47) 2-Hexanone-d5	10.922	63	100944	42.285	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	84.560%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	222233	21.450	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	85.800%		
66) 1,2-Dichlorobenzene-d4	13.848	152	229050	23.026	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	7258m	1.004	ug/L	
3) Chloromethane	2.216	50	10701	1.036	ug/L	97
5) Vinyl chloride	2.369	62	10407	0.956	ug/L #	71
6) Bromomethane	2.789	94	6030	1.042	ug/L	93
8) Chloroethane	2.942	64	6017	0.988	ug/L	99
9) Trichlorofluoromethane	3.265	101	6702m	0.831	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	11828m	1.321	ug/L	
12) 1,1-Dichloroethene	4.033	96	10891m	1.268	ug/L	
13) Acetone	4.124	43	8676	3.451	ug/L	66
14) Carbon disulfide	4.393	76	30189	1.003	ug/L	96
15) Methyl Acetate	4.673	43	7087	1.173	ug/L #	82
16) Methylene chloride	4.923	84	28049	2.476	ug/L	91
17) trans-1,2-Dichloroethene	5.423	96	9269	1.009	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	13778	0.959	ug/L #	92
19) 1,1-Dichloroethane	6.215	63	19585	1.067	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	9479	0.997	ug/L	97
23) Bromochloromethane	7.514	128	4654	1.143	ug/L	90
25) Chloroform	7.673	83	18920	1.125	ug/L	96
27) 1,2-Dichloroethane	8.398	62	13561	1.145	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	15015	0.832	ug/L #	95
30) 1,1,1-Trichloroethane	7.868	97	14284	1.005	ug/L	99
31) Carbon tetrachloride	8.075	117	13199	1.024	ug/L	97
33) Benzene	8.325	78	40941	1.025	ug/L	100
34) Trichloroethene	9.099	95	10746	1.048	ug/L	93
35) Methylcyclohexane	9.337	83	15599	0.847	ug/L	93
37) 1,2-Dichloropropane	9.367	63	11848	1.117	ug/L #	92
38) Bromodichloromethane	9.648	83	12488	1.036	ug/L	98
39) cis-1,3-Dichloropropene	10.068	75	14419	0.944	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	16159	2.019	ug/L	99
42) Toluene	10.385	91	41049	1.018	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	14964m	1.162	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	8038	1.086	ug/L	96
46) Tetrachloroethene	10.861	164	7484	1.028	ug/L	96
48) 2-Hexanone	10.965	43	12563	2.249	ug/L	98
49) Dibromochloromethane	11.129	129	7407	1.011	ug/L	92
50) 1,2-Dibromoethane	11.233	107	7816	1.120	ug/L #	94
51) Chlorobenzene	11.653	112	26587	1.075	ug/L	94
52) Ethylbenzene	11.727	91	43013	0.958	ug/L	97
53) m,p-Xylene	11.836	106	14954	0.915	ug/L	85
54) o-Xylene	12.160	106	13649	0.890	ug/L	87
55) Styrene	12.178	104	21258	0.822	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	11269	1.160	ug/L #	91
59) Bromoform	12.348	173	4438	1.036	ug/L #	92
60) Isopropylbenzene	12.464	105	35308	0.842	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	8048	1.100	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	27076	0.842	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	25100	0.787	ug/L	100
64) 1,3-Dichlorobenzene	13.501	146	18023	1.025	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	19213	1.095	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	18473	1.187	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	14.476	75	2182	1.253	ug/L	91
69) 1,3,5-Trichlorobenzene	14.622	180	12752	1.095	ug/L	99
70) 1,2,4-trichlorobenzene	15.128	180	10198	1.068	ug/L	95
71) Naphthalene	15.360	128	19788	0.915	ug/L	98
72) 1,2,3-Trichlorobenzene	15.555	180	9072	1.009	ug/L	91

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

