

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101323\
 Data File : VW027302.D
 Acq On : 13 Oct 2023 12:33
 Operator : SY/MD
 Sample : 04696-04 1 PBB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Oct 16 02:03:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Oct 16 01:55:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	468239	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	432798	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	215811	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	182616	25.555	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.200%			
7) Chloroethane-d5	2.899	69	137581	26.813	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.240%			
11) 1,1-Dichloroethene-d2	4.021	65	92839	25.928	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.720%			
21) 2-Butanone-d5	7.075	46	111942	47.130	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.260%			
24) Chloroform-d	7.648	84	352924	25.289	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.160%			
26) 1,2-Dichloroethane-d4	8.307	65	194667m	25.967	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.880%			
32) Benzene-d6	8.276	84	762099	26.026	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 104.120%			
36) 1,2-Dichloropropane-d6	9.270	67	229939	25.709	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 102.840%			
41) Toluene-d8	10.319	98	678936	25.569	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.280%			
43) trans-1,3-Dichloroprop...	10.575	79	100563	24.661	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.640%			
47) 2-Hexanone-d5	10.922	63	90610	48.967	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.940%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	164825	24.701	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.800%			
66) 1,2-Dichlorobenzene-d4	13.849	152	200138	25.591	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 102.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.021	85	5570m	1.000	ug/L	
3) Chloromethane	2.223	50	8889	1.388	ug/L	100
5) Vinyl chloride	2.381	62	9827m	1.374	ug/L	
6) Bromomethane	2.790	94	4967	1.219	ug/L	98
8) Chloroethane	2.936	64	5278	1.282	ug/L	96
9) Trichlorofluoromethane	3.265	101	4971m	0.985	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	9952m	1.575	ug/L	
12) 1,1-Dichloroethene	4.039	96	10192m	1.660	ug/L	
13) Acetone	4.125	43	6033m	2.941	ug/L	
14) Carbon disulfide	4.387	76	24174	1.270	ug/L	100
15) Methyl Acetate	4.679	43	3821	1.091	ug/L #	75
16) Methylene chloride	4.923	84	28726	3.352	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	7721	1.170	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	14149	1.243	ug/L #	86
19) 1,1-Dichloroethane	6.222	63	16401	1.218	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	9158	1.229	ug/L	95
22) 2-Butanone	7.173	43	10939m	3.562	ug/L	
23) Bromochloromethane	7.508	128	3842	1.249	ug/L	97
25) Chloroform	7.679	83	17023	1.351	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	11399	1.332	ug/L #	94
29) Cyclohexane	7.959	56	15831	1.205	ug/L #	90
30) 1,1,1-Trichloroethane	7.874	97	12679	1.201	ug/L	100
31) Carbon tetrachloride	8.063	117	11056	1.161	ug/L	99
33) Benzene	8.325	78	35031	1.239	ug/L	100
34) Trichloroethene	9.087	95	9259	1.239	ug/L	89
35) Methylcyclohexane	9.331	83	14896	1.115	ug/L	96
37) 1,2-Dichloropropane	9.368	63	9080	1.187	ug/L	98
38) Bromodichloromethane	9.642	83	10813	1.150	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	13314	1.054	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	12862	2.445	ug/L	97
42) Toluene	10.386	91	35997	1.213	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	12942m	1.214	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	6513	1.238	ug/L	93
46) Tetrachloroethene	10.861	164	5738	1.112	ug/L	92
48) 2-Hexanone	10.971	43	8950	2.299	ug/L	97
49) Dibromochloromethane	11.129	129	6672	1.142	ug/L	96
50) 1,2-Dibromoethane	11.233	107	6077	1.191	ug/L #	96
51) Chlorobenzene	11.654	112	21716	1.169	ug/L	99
52) Ethylbenzene	11.727	91	41081	1.191	ug/L	95
53) m,p-Xylene	11.837	106	15195	1.162	ug/L	94
54) o-Xylene	12.160	106	14773	1.180	ug/L	98
55) Styrene	12.178	104	24147	1.129	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	8438	1.313	ug/L #	88
59) Bromoform	12.349	173	3383	1.053	ug/L #	98
60) Isopropylbenzene	12.459	105	40375	1.191	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	6181	1.312	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	33141	1.172	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	32181	1.163	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	16032	1.166	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	16455	1.199	ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	14417	1.182	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	1366	1.160	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.623	180	11178	1.252	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	9253	1.218	ug/L	96
71) Naphthalene	15.360	128	18925	1.211	ug/L	97
72) 1,2,3-Trichlorobenzene	15.549	180	7868	1.260	ug/L	98

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

