

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101223\
 Data File : VW027295.D
 Acq On : 12 Oct 2023 14:53
 Operator : SY/MD
 Sample : 04696-03 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07DL

Quant Time: Oct 12 22:02:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 12 21:57:41 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	503758	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	452341	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	234630	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	196246	25.526	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 102.120%	
7) Chloroethane-d5	2.899	69	148954	26.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 107.920%	
11) 1,1-Dichloroethene-d2	4.021	65	99240	25.761	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 103.040%	
21) 2-Butanone-d5	7.075	46	125675	49.181	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 98.360%	
24) Chloroform-d	7.648	84	386007	25.709	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 102.840%	
26) 1,2-Dichloroethane-d4	8.307	65	214116m	26.547	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 106.200%	
32) Benzene-d6	8.276	84	837770	27.374	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 109.480%	
36) 1,2-Dichloropropane-d6	9.270	67	252020	26.961	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 107.840%	
41) Toluene-d8	10.325	98	743647	26.796	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 107.200%	
43) trans-1,3-Dichloroprop...	10.575	79	109602	25.716	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 102.880%	
47) 2-Hexanone-d5	10.922	63	100843	52.143	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 104.280%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	185160	26.549	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 106.200%	
66) 1,2-Dichlorobenzene-d4	13.848	152	223868	26.329	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.320%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.021	85	6103m	1.018	ug/L	
3) Chloromethane	2.222	50	6386	0.927	ug/L	100
5) Vinyl chloride	2.375	62	8555	1.112	ug/L #	55
6) Bromomethane	2.796	94	4047	0.923	ug/L	86
8) Chloroethane	2.942	64	4427	1.000	ug/L	97
9) Trichlorofluoromethane	3.265	101	4961	0.914	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	9454m	1.391	ug/L	
12) 1,1-Dichloroethene	4.045	96	7963	1.205	ug/L #	1
13) Acetone	4.131	43	6520m	2.954	ug/L	
14) Carbon disulfide	4.393	76	19940	0.974	ug/L	98
15) Methyl Acetate	4.685	43	4288m	1.138	ug/L	
16) Methylene chloride	4.917	84	25727	2.790	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	7007	0.987	ug/L	91
18) Methyl tert-butyl Ether	5.423	73	11706	0.956	ug/L #	88
19) 1,1-Dichloroethane	6.216	63	13287	0.917	ug/L	96
20) cis-1,2-Dichloroethene	7.173	96	7746	0.966	ug/L	86
22) 2-Butanone	7.142	43	12119m	3.668	ug/L	
23) Bromochloromethane	7.520	128	3032	0.916	ug/L	89
25) Chloroform	7.673	83	14229	1.050	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	8812	0.957	ug/L #	90
29) Cyclohexane	7.959	56	13501	0.983	ug/L	94
30) 1,1,1-Trichloroethane	7.874	97	10053	0.911	ug/L	97
31) Carbon tetrachloride	8.075	117	9116	0.916	ug/L #	53
33) Benzene	8.325	78	27447	0.928	ug/L	100
34) Trichloroethene	9.093	95	7360	0.943	ug/L	93
35) Methylcyclohexane	9.331	83	13567	0.972	ug/L	99
37) 1,2-Dichloropropane	9.368	63	7749	0.969	ug/L #	96
38) Bromodichloromethane	9.642	83	8676	0.883	ug/L	95
39) cis-1,3-Dichloropropene	10.075	75	11688	0.885	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	9864	1.794	ug/L	97
42) Toluene	10.386	91	29521	0.952	ug/L	93
44) trans-1,3-Dichloropropene	10.605	75	9514	0.854	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	5250	0.954	ug/L	94
46) Tetrachloroethene	10.867	164	5394	1.000	ug/L	93
48) 2-Hexanone	10.971	43	6741	1.657	ug/L	93
49) Dibromochloromethane	11.123	129	5482	0.897	ug/L	82
50) 1,2-Dibromoethane	11.239	107	4711	0.883	ug/L #	86
51) Chlorobenzene	11.654	112	18318	0.943	ug/L	98
52) Ethylbenzene	11.727	91	34333	0.953	ug/L	98
53) m,p-Xylene	11.837	106	12475	0.913	ug/L	100
54) o-Xylene	12.160	106	11608	0.887	ug/L	89
55) Styrene	12.178	104	20685	0.925	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	6695	0.997	ug/L #	96
59) Bromoform	12.349	173	2977	0.853	ug/L	96
60) Isopropylbenzene	12.458	105	33593	0.911	ug/L	96
61) 1,2,3-Trichloropropane	12.763	75	4721	0.922	ug/L #	87
62) 1,3,5-Trimethylbenzene	12.940	105	28050	0.912	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	26721	0.888	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	13884	0.929	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	14442	0.968	ug/L	94
67) 1,2-Dichlorobenzene	13.861	146	12870	0.970	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	1289	1.007	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	9794	1.009	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	7672	0.929	ug/L	96
71) Naphthalene	15.366	128	15262	0.899	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	7123	1.049	ug/L	93

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

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