

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120823\
 Data File : VW027581.D
 Acq On : 08 Dec 2023 09:45
 Operator : SY/MD
 Sample : 04696-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 09 02:09:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 09 02:01:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	244827	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	207847	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	97033	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	102838	20.873	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.480%
7) Chloroethane-d5	2.899	69	80705	22.597	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	4.027	65	48333	23.185	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.720%
21) 2-Butanone-d5	7.075	46	53340	41.317	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.640%
24) Chloroform-d	7.648	84	166677	22.808	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.240%
26) 1,2-Dichloroethane-d4	8.307	65	84546m	22.624	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.480%
32) Benzene-d6	8.276	84	358358	24.480	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.920%
36) 1,2-Dichloropropane-d6	9.270	67	103966	24.091	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.360%
41) Toluene-d8	10.325	98	303261	23.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.720%
43) trans-1,3-Dichloroprop...	10.581	79	35085	21.023	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.080%
47) 2-Hexanone-d5	10.922	63	33697	41.907	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.820%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	76840	21.647	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	13.848	152	83132	24.441	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	2845m	0.868	ug/L	
3) Chloromethane	2.222	50	3223	0.803	ug/L	91
5) Vinyl chloride	2.369	62	4694m	1.002	ug/L	
6) Bromomethane	2.795	94	2304m	0.937	ug/L	
8) Chloroethane	2.923	64	2963m	1.108	ug/L	
9) Trichlorofluoromethane	3.283	101	3511	0.783	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	4024m	1.052	ug/L	
12) 1,1-Dichloroethene	4.039	96	4384m	1.255	ug/L	
13) Acetone	4.131	43	3614m	2.904	ug/L	
14) Carbon disulfide	4.381	76	9299	0.881	ug/L	98
15) Methyl Acetate	4.685	43	2457m	1.130	ug/L	
16) Methylene chloride	4.929	84	8010	2.006	ug/L	94
17) trans-1,2-Dichloroethene	5.447	96	3140m	0.872	ug/L	
18) Methyl tert-butyl Ether	5.423	73	4252m	0.732	ug/L	
19) 1,1-Dichloroethane	6.228	63	5339	0.729	ug/L	96
20) cis-1,2-Dichloroethene	7.167	96	3248m	0.840	ug/L	
22) 2-Butanone	7.148	43	5830m	3.631	ug/L	
23) Bromochloromethane	7.514	128	1122	0.738	ug/L	90
25) Chloroform	7.673	83	5423	0.816	ug/L	81

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27) 1,2-Dichloroethane	8.410	62	3522m	0.820	ug/L	
29) Cyclohexane	7.953	56	5244	0.767	ug/L	91
30) 1,1,1-Trichloroethane	7.874	97	4313	0.744	ug/L	92
31) Carbon tetrachloride	8.069	117	3995	0.790	ug/L	100
33) Benzene	8.319	78	11156	0.778	ug/L	100
34) Trichloroethene	9.099	95	3049	0.778	ug/L	97
35) Methylcyclohexane	9.337	83	5323	0.763	ug/L	96
37) 1,2-Dichloropropane	9.367	63	3069	0.810	ug/L #	97
38) Bromodichloromethane	9.648	83	3210	0.733	ug/L	96
39) cis-1,3-Dichloropropene	10.075	75	3958m	0.724	ug/L	
40) 4-Methyl-2-pentanone	10.209	43	3884m	1.517	ug/L	
42) Toluene	10.386	91	11624	0.766	ug/L	93
44) trans-1,3-Dichloropropene	10.605	75	3523m	0.799	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	1877	0.712	ug/L	92
49) Dibromochloromethane	11.123	129	1715	0.658	ug/L	97
50) 1,2-Dibromoethane	11.233	107	1800	0.746	ug/L #	89
51) Chlorobenzene	11.654	112	6616	0.723	ug/L	96
52) Ethylbenzene	11.727	91	12682	0.736	ug/L	99
53) m,p-Xylene	11.843	106	4714	0.742	ug/L	92
54) o-Xylene	12.166	106	4023	0.697	ug/L	88
55) Styrene	12.178	104	6176	0.627	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	2392	0.697	ug/L #	85
59) Bromoform	12.349	173	1063	0.782	ug/L #	56
60) Isopropylbenzene	12.458	105	12169	0.760	ug/L #	92
61) 1,2,3-Trichloropropane	12.763	75	1782	0.761	ug/L #	79
62) 1,3,5-Trimethylbenzene	12.940	105	8346	0.704	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	8732	0.740	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	4515	0.736	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	4739	0.774	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	4267	0.772	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	539m	0.957	ug/L	
69) 1,3,5-Trichlorobenzene	14.629	180	2943	0.713	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	2368	0.739	ug/L	97
71) Naphthalene	15.360	128	4763	0.707	ug/L	97
72) 1,2,3-Trichlorobenzene	15.543	180	2006	0.731	ug/L #	87

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

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