

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022724\
 Data File : VW028069.D
 Acq On : 27 Feb 2024 10:41
 Operator : SY/MD
 Sample : P1601-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-01

Quant Time: Feb 28 00:23:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 28 00:18:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
 Supervised By :Mahesh Dadoda 02/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	244194	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	235026	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	118414	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	46963	16.420	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.680%
7) Chloroethane-d5	2.899	69	45639	21.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.160%
11) 1,1-Dichloroethene-d2	4.027	65	22453	18.347	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.400%
21) 2-Butanone-d5	7.075	46	30634	68.934	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.860%#
24) Chloroform-d	7.648	84	136387	23.886	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.560%
26) 1,2-Dichloroethane-d4	8.301	65	69550	26.970	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.880%
32) Benzene-d6	8.276	84	262074	20.842	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.360%
36) 1,2-Dichloropropane-d6	9.270	67	75842	22.245	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.960%
41) Toluene-d8	10.319	98	250571	20.826	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.320%
43) trans-1,3-Dichloroprop...	10.575	79	31387	22.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.560%
47) 2-Hexanone-d5	10.922	63	29808	64.276	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.560%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	71515	28.064	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.240%
66) 1,2-Dichlorobenzene-d4	13.848	152	98208	24.401	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	2353	1.119	ug/L	95
3) Chloromethane	2.216	50	2729	1.182	ug/L	97
5) Vinyl chloride	2.375	62	3834	1.225	ug/L #	82
6) Bromomethane	2.796	94	2992	1.353	ug/L	90
8) Chloroethane	2.942	64	2339	1.323	ug/L	89
9) Trichlorofluoromethane	3.271	101	2844	1.000	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	4385m	1.529	ug/L	
12) 1,1-Dichloroethene	4.045	96	3930	1.473	ug/L #	1
14) Carbon disulfide	4.387	76	9869	1.250	ug/L	99
15) Methyl Acetate	4.685	43	1081m	1.503	ug/L	
16) Methylene chloride	4.917	84	8319	2.726	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	3391	1.183	ug/L	94
18) Methyl tert-butyl Ether	5.429	73	4753	1.399	ug/L #	86
19) 1,1-Dichloroethane	6.222	63	6055	1.301	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	3667	1.212	ug/L	96
22) 2-Butanone	7.179	43	1533	3.073	ug/L	80
23) Bromochloromethane	7.520	128	1930	1.436	ug/L	81
25) Chloroform	7.673	83	7258	1.450	ug/L	96
27) 1,2-Dichloroethane	8.398	62	4127	1.481	ug/L	96

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29) Cyclohexane	7.953	56	4565	1.090	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	5615	1.238	ug/L	99
31) Carbon tetrachloride	8.069	117	5251	1.251	ug/L	99
33) Benzene	8.325	78	14428	1.229	ug/L	100
34) Trichloroethene	9.093	95	3906	1.159	ug/L	96
35) Methylcyclohexane	9.337	83	6101	1.100	ug/L	99
37) 1,2-Dichloropropane	9.368	63	3097	1.123	ug/L #	95
38) Bromodichloromethane	9.642	83	4714	1.280	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	5620	1.271	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	2828	2.716	ug/L	98
42) Toluene	10.386	91	15817	1.202	ug/L	91
44) trans-1,3-Dichloropropene	10.605	75	4542m	1.294	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	2867	1.313	ug/L	96
46) Tetrachloroethene	10.861	164	3191	1.125	ug/L #	85
48) 2-Hexanone	10.971	43	2375	3.012	ug/L	99
49) Dibromochloromethane	11.129	129	3183	1.279	ug/L	94
50) 1,2-Dibromoethane	11.233	107	2705	1.327	ug/L #	88
51) Chlorobenzene	11.654	112	11001	1.257	ug/L	91
52) Ethylbenzene	11.727	91	16996	1.145	ug/L	87
53) m,p-Xylene	11.837	106	6273	1.078	ug/L	80
54) o-Xylene	12.160	106	5869	1.075	ug/L	91
55) Styrene	12.178	104	9495	1.044	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.708	83	3362	1.438	ug/L #	90
59) Bromoform	12.349	173	1719	1.230	ug/L #	89
60) Isopropylbenzene	12.458	105	15387	1.041	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	2109	1.335	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	12245	1.035	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	11219	0.969	ug/L	97
64) 1,3-Dichlorobenzene	13.501	146	7682	1.131	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	8281	1.199	ug/L	87
67) 1,2-Dichlorobenzene	13.867	146	7420	1.237	ug/L #	83
68) 1,2-Dibromo-3-chloropr...	14.483	75	477m	1.520	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5359	1.099	ug/L	91
70) 1,2,4-trichlorobenzene	15.129	180	4682	1.189	ug/L	97
71) Naphthalene	15.360	128	7199	1.176	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	4190	1.275	ug/L	95

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

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