

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022624\
 Data File : VW028064.D
 Acq On : 26 Feb 2024 14:36
 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 27 04:14:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 27 01:31:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
 Supervised By :Mahesh Dadoda 02/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	274785	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	251494	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	127164	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	48206	14.978	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.920%
7) Chloroethane-d5	2.899	69	45468	18.626	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.520%
11) 1,1-Dichloroethene-d2	4.021	65	23892	17.350	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.400%
21) 2-Butanone-d5	7.075	46	27374	54.741	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.480%
24) Chloroform-d	7.648	84	133193	20.730	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.920%
26) 1,2-Dichloroethane-d4	8.307	65	65843	22.690	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.760%
32) Benzene-d6	8.270	84	257977	19.172	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.680%
36) 1,2-Dichloropropane-d6	9.270	67	72915	19.986	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.960%
41) Toluene-d8	10.319	98	253344	19.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.720%
43) trans-1,3-Dichloroprop...	10.575	79	30367	20.240	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.960%
47) 2-Hexanone-d5	10.922	63	26084	52.563	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	65453	24.003	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	13.848	152	93981	21.744	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	2729m	1.153	ug/L	
3) Chloromethane	2.223	50	2524	0.971	ug/L	95
5) Vinyl chloride	2.375	62	3844	1.091	ug/L #	78
6) Bromomethane	2.796	94	2733	1.098	ug/L	93
8) Chloroethane	2.942	64	2150	1.080	ug/L	86
9) Trichlorofluoromethane	3.277	101	2605	0.814	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	4263m	1.321	ug/L	
12) 1,1-Dichloroethene	4.051	96	3676	1.225	ug/L #	1
14) Carbon disulfide	4.393	76	9464	1.065	ug/L #	94
15) Methyl Acetate	4.679	43	825	1.019	ug/L #	72
16) Methylene chloride	4.917	84	17568	5.115	ug/L	96
17) trans-1,2-Dichloroethene	5.441	96	3350	1.039	ug/L	94
18) Methyl tert-butyl Ether	5.435	73	4150m	1.086	ug/L	
19) 1,1-Dichloroethane	6.216	63	5351	1.021	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	3516	1.032	ug/L	96
22) 2-Butanone	7.179	43	1428	2.544	ug/L	73
23) Bromochloromethane	7.514	128	1666	1.101	ug/L #	69
25) Chloroform	7.673	83	6628	1.177	ug/L	99
27) 1,2-Dichloroethane	8.398	62	3797	1.211	ug/L #	90

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29) Cyclohexane	7.953	56	4076	0.909	ug/L	91
30) 1,1,1-Trichloroethane	7.874	97	5389	1.110	ug/L #	88
31) Carbon tetrachloride	8.063	117	4782	1.065	ug/L	98
33) Benzene	8.325	78	13664	1.088	ug/L	100
34) Trichloroethene	9.093	95	3538	0.981	ug/L	86
35) Methylcyclohexane	9.337	83	5851	0.986	ug/L	98
37) 1,2-Dichloropropane	9.368	63	3193	1.082	ug/L #	93
38) Bromodichloromethane	9.642	83	4446	1.128	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	4369	0.923	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	2456	2.204	ug/L	96
42) Toluene	10.386	91	14800	1.051	ug/L	97
44) trans-1,3-Dichloropropene	10.599	75	3742m	0.997	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	2780	1.190	ug/L	89
46) Tetrachloroethene	10.867	164	3388	1.117	ug/L	80
48) 2-Hexanone	10.965	43	2074	2.458	ug/L	93
49) Dibromochloromethane	11.129	129	2976	1.117	ug/L	90
50) 1,2-Dibromoethane	11.233	107	2370	1.087	ug/L #	88
51) Chlorobenzene	11.654	112	9839	1.050	ug/L	90
52) Ethylbenzene	11.727	91	15642	0.985	ug/L	96
53) m,p-Xylene	11.837	106	6051	0.972	ug/L	76
54) o-Xylene	12.166	106	5264	0.901	ug/L	97
55) Styrene	12.178	104	8850	0.910	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	2926	1.170	ug/L #	82
59) Bromoform	12.355	173	1549	1.032	ug/L #	96
60) Isopropylbenzene	12.465	105	14222	0.896	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	1983	1.168	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	11409	0.898	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	10727	0.863	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	7363	1.009	ug/L	85
65) 1,4-Dichlorobenzene	13.574	146	7955	1.073	ug/L	92
67) 1,2-Dichlorobenzene	13.867	146	7126	1.106	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.483	75	392m	1.163	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5230	0.999	ug/L	92
70) 1,2,4-trichlorobenzene	15.123	180	4207	0.995	ug/L	98
71) Naphthalene	15.360	128	6412	0.976	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	3967	1.124	ug/L	96

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

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