

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022824\
 Data File : VW028075.D
 Acq On : 28 Feb 2024 13:03
 Operator : SY/MD
 Sample : P1601-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-02

Quant Time: Feb 28 23:36:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 28 23:27:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	235797	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	216429	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	110721	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	42125	15.253	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.000%
7) Chloroethane-d5	2.899	69	42498	20.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.160%
11) 1,1-Dichloroethene-d2	4.021	65	20783	17.587	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.360%
21) 2-Butanone-d5	7.075	46	29423	68.567	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.140%#
24) Chloroform-d	7.648	84	124320	22.548	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	8.301	65	63993	25.699	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	8.270	84	239924	20.720	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.880%
36) 1,2-Dichloropropane-d6	9.270	67	69869	22.254	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.000%
41) Toluene-d8	10.325	98	232493	20.984	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.920%
43) trans-1,3-Dichloroprop...	10.575	79	28819	22.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.280%
47) 2-Hexanone-d5	10.922	63	27723	64.917	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	68737	29.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	91370	24.279	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	2049m	1.009	ug/L	
3) Chloromethane	2.222	50	2460	1.103	ug/L	89
5) Vinyl chloride	2.375	62	3323	1.099	ug/L	86
6) Bromomethane	2.789	94	2634	1.233	ug/L	92
8) Chloroethane	2.936	64	2065	1.209	ug/L	94
9) Trichlorofluoromethane	3.265	101	1891	0.688	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	3742m	1.352	ug/L	
12) 1,1-Dichloroethene	4.045	96	3506	1.361	ug/L #	1
14) Carbon disulfide	4.399	76	8206	1.076	ug/L	100
15) Methyl Acetate	4.685	43	1098m	1.581	ug/L	
16) Methylene chloride	4.929	84	6388	2.167	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	3046m	1.101	ug/L	
18) Methyl tert-butyl Ether	5.441	73	4122m	1.256	ug/L	
19) 1,1-Dichloroethane	6.216	63	5282	1.175	ug/L	95
20) cis-1,2-Dichloroethene	7.173	96	3439	1.177	ug/L	97
22) 2-Butanone	7.191	43	1752m	3.637	ug/L	
23) Bromochloromethane	7.520	128	1667	1.284	ug/L	91
25) Chloroform	7.679	83	6594	1.364	ug/L	94
27) 1,2-Dichloroethane	8.398	62	3893	1.447	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	3866	1.002	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	4869m	1.165	ug/L	
31) Carbon tetrachloride	8.075	117	4324m	1.119	ug/L	
33) Benzene	8.319	78	13156	1.217	ug/L	100
34) Trichloroethene	9.093	95	3487	1.124	ug/L	96
35) Methylcyclohexane	9.331	83	5325	1.043	ug/L	100
37) 1,2-Dichloropropane	9.367	63	3048	1.200	ug/L #	88
38) Bromodichloromethane	9.642	83	4279	1.262	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	4425	1.087	ug/L	93
40) 4-Methyl-2-pentanone	10.203	43	2719	2.836	ug/L	98
42) Toluene	10.386	91	13873	1.145	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	3517m	1.088	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	2707	1.346	ug/L	93
46) Tetrachloroethene	10.861	164	2971	1.138	ug/L	93
48) 2-Hexanone	10.965	43	2221	3.058	ug/L	96
49) Dibromochloromethane	11.129	129	3097	1.351	ug/L	95
50) 1,2-Dibromoethane	11.233	107	2521	1.343	ug/L #	96
51) Chlorobenzene	11.654	112	9485	1.177	ug/L	97
52) Ethylbenzene	11.727	91	15090	1.104	ug/L	99
53) m,p-Xylene	11.837	106	5907	1.102	ug/L	79
54) o-Xylene	12.166	106	5002	0.995	ug/L	89
55) Styrene	12.178	104	8941	1.068	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	3247	1.508	ug/L #	83
59) Bromoform	12.349	173	1625	1.243	ug/L #	94
60) Isopropylbenzene	12.458	105	13572	0.982	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	2306	1.561	ug/L	91
62) 1,3,5-Trimethylbenzene	12.934	105	10675	0.965	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	10296	0.951	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	7575	1.193	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	7950	1.231	ug/L	88
67) 1,2-Dichlorobenzene	13.861	146	6983	1.245	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	14.482	75	463m	1.578	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5353	1.174	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	4335	1.177	ug/L	91
71) Naphthalene	15.360	128	7404	1.294	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	3757	1.223	ug/L	97

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

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