

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050724\
 Data File : VW028589.D
 Acq On : 07 May 2024 11:47
 Operator : SY/MD
 Sample : P2409-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 08 04:27:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 08 04:24:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
 Supervised By :Mahesh Dadoda 05/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	321025	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	281215	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	134055	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	134012	21.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.920%
7) Chloroethane-d5	2.899	69	106738	22.867	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.480%
11) 1,1-Dichloroethene-d2	4.027	65	56593	22.220	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.880%
21) 2-Butanone-d5	7.075	46	61525	38.685	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.360%
24) Chloroform-d	7.648	84	223935	22.324	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.280%
26) 1,2-Dichloroethane-d4	8.307	65	130522	22.728	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.920%
32) Benzene-d6	8.276	84	453469	24.169	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.680%
36) 1,2-Dichloropropane-d6	9.276	67	136286	24.139	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.560%
41) Toluene-d8	10.325	98	394974	23.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.080%
43) trans-1,3-Dichloroprop...	10.581	79	53207	23.426	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.720%
47) 2-Hexanone-d5	10.922	63	42490	43.635	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.280%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	105827	22.354	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	13.848	152	122721	24.019	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	3819	0.819	ug/L	99
3) Chloromethane	2.222	50	4985	0.863	ug/L	96
5) Vinyl chloride	2.375	62	6543m	1.006	ug/L	
6) Bromomethane	2.783	94	4046m	1.075	ug/L	
8) Chloroethane	2.942	64	3845	1.036	ug/L	90
9) Trichlorofluoromethane	3.271	101	4146	0.776	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	6360m	1.291	ug/L	
12) 1,1-Dichloroethene	4.039	96	5932m	1.343	ug/L	
14) Carbon disulfide	4.393	76	13293	0.890	ug/L	96
15) Methyl Acetate	4.685	43	2682m	1.065	ug/L	
17) trans-1,2-Dichloroethene	5.435	96	4081m	0.887	ug/L	
18) Methyl tert-butyl Ether	5.429	73	5855	0.863	ug/L #	71
19) 1,1-Dichloroethane	6.222	63	7798	0.855	ug/L	90
20) cis-1,2-Dichloroethene	7.167	96	4274	0.888	ug/L	98
22) 2-Butanone	7.185	43	4443m	2.392	ug/L	
23) Bromochloromethane	7.514	128	1913	0.911	ug/L	89
25) Chloroform	7.679	83	8887	1.007	ug/L	87
27) 1,2-Dichloroethane	8.398	62	6178	0.963	ug/L	97
29) Cyclohexane	7.953	56	6334	0.790	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.880	97	6745	0.957	ug/L	97
31) Carbon tetrachloride	8.069	117	5716	0.890	ug/L	99
33) Benzene	8.319	78	16656	0.913	ug/L	100
34) Trichloroethene	9.093	95	4614	0.944	ug/L	94
35) Methylcyclohexane	9.331	83	7008	0.820	ug/L	94
37) 1,2-Dichloropropane	9.368	63	4579	0.964	ug/L #	91
38) Bromodichloromethane	9.648	83	5250	0.906	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	6130	0.900	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	5586m	1.727	ug/L	
42) Toluene	10.386	91	17286	0.918	ug/L	90
44) trans-1,3-Dichloropropene	10.605	75	4954m	0.863	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	3172	0.922	ug/L	92
46) Tetrachloroethene	10.861	164	3461	0.983	ug/L	89
48) 2-Hexanone	10.971	43	4563m	1.999	ug/L	
49) Dibromochloromethane	11.123	129	3226	0.934	ug/L	91
50) 1,2-Dibromoethane	11.233	107	2909	0.902	ug/L #	91
51) Chlorobenzene	11.660	112	10913	0.937	ug/L	98
52) Ethylbenzene	11.733	91	18007	0.845	ug/L	95
53) m,p-Xylene	11.837	106	6094	0.780	ug/L	97
54) o-Xylene	12.166	106	5538	0.766	ug/L	93
55) Styrene	12.178	104	9253	0.756	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	4467	1.034	ug/L #	96
59) Bromoform	12.349	173	1668	0.853	ug/L	100
60) Isopropylbenzene	12.458	105	15375	0.756	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	2755m	0.850	ug/L	
62) 1,3,5-Trimethylbenzene	12.940	105	10621m	0.738	ug/L	
63) 1,2,4-Trimethylbenzene	13.245	105	10767	0.694	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	7292	0.862	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	8397	0.971	ug/L	94
67) 1,2-Dichlorobenzene	13.861	146	7628	1.007	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	764m	1.009	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5384	0.948	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	4370	0.953	ug/L	93
71) Naphthalene	15.360	128	6692	0.685	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.555	180	3363	0.812	ug/L	98

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

