

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052024\
 Data File : VD078970.D
 Acq On : 20 May 2024 14:53
 Operator : RP/MD
 Sample : P2409-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 21 01:12:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	134835	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	143249	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	64574	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	75196	22.749	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.000%
7) Chloroethane-d5	2.799	69	89384	25.262	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.040%
11) 1,1-Dichloroethene-d2	3.922	65	15574	24.155	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.600%
21) 2-Butanone-d5	6.987	46	24271	51.877	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.760%
24) Chloroform-d	7.575	84	87171	21.717	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.880%
26) 1,2-Dichloroethane-d4	8.228	65	44562	23.377	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.520%
32) Benzene-d6	8.199	84	171933	23.523	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.080%
36) 1,2-Dichloropropane-d6	9.210	67	53190	23.883	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	10.269	98	148032	21.972	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.880%
43) trans-1,3-Dichloroprop...	10.522	79	21306	20.768	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.080%
47) 2-Hexanone-d5	10.875	63	20335	45.558	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.120%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	57330	22.629	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.520%
66) 1,2-Dichlorobenzene-d4	13.816	152	54742	24.977	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2871	1.064	ug/L	91
3) Chloromethane	2.146	50	4303	1.300	ug/L #	80
5) Vinyl chloride	2.281	62	6015	1.111	ug/L	83
6) Bromomethane	2.699	94	5228	1.350	ug/L	98
8) Chloroethane	2.840	64	4638	1.109	ug/L	98
9) Trichlorofluoromethane	3.169	101	4270	1.011	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	3007m	1.123	ug/L	
12) 1,1-Dichloroethene	3.940	96	2622	1.125	ug/L #	1
13) Acetone	4.028	43	1432m	2.534	ug/L	
14) Carbon disulfide	4.269	76	7366	1.090	ug/L	96
15) Methyl Acetate	4.569	43	842m	0.917	ug/L	
16) Methylene chloride	4.799	84	6470m	2.026	ug/L	
17) trans-1,2-Dichloroethene	5.311	96	2538m	1.069	ug/L	
18) Methyl tert-butyl Ether	5.328	73	4279m	0.846	ug/L	
19) 1,1-Dichloroethane	6.122	63	4422m	1.109	ug/L	
20) cis-1,2-Dichloroethene	7.069	96	2926m	1.081	ug/L	
22) 2-Butanone	7.093	43	1853m	2.852	ug/L	
23) Bromochloromethane	7.422	128	1308m	0.967	ug/L	
25) Chloroform	7.593	83	10919	2.278	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	3106	1.119	ug/L	99
29) Cyclohexane	7.875	56	2442	0.887	ug/L #	85
30) 1,1,1-Trichloroethane	7.781	97	4174m	1.053	ug/L	
31) Carbon tetrachloride	7.999	117	3376	0.925	ug/L #	22
33) Benzene	8.257	78	10182	1.037	ug/L	100
34) Trichloroethene	9.022	95	2727	1.078	ug/L #	82
35) Methylcyclohexane	9.263	83	3741	0.984	ug/L #	66
38) Bromodichloromethane	9.587	83	3476	0.988	ug/L #	78
39) cis-1,3-Dichloropropene	10.016	75	3573	0.915	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	2434	1.936	ug/L #	76
42) Toluene	10.334	91	10806	1.001	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	3183	0.922	ug/L	93
45) 1,1,2-Trichloroethane	10.728	97	2385	1.048	ug/L	88
46) Tetrachloroethene	10.810	164	2421	1.112	ug/L	84
48) 2-Hexanone	10.928	43	2056	2.110	ug/L #	85
49) Dibromochloromethane	11.069	129	2745	0.992	ug/L	84
50) 1,2-Dibromoethane	11.181	107	2150	1.000	ug/L #	86
51) Chlorobenzene	11.604	112	7574	0.993	ug/L	94
52) Ethylbenzene	11.681	91	9666	0.830	ug/L	97
53) m,p-Xylene	11.793	106	3469	0.744	ug/L	90
54) o-Xylene	12.116	106	3187	0.702	ug/L	96
55) Styrene	12.134	104	5414	0.675	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.669	83	3074	1.114	ug/L #	88
59) Bromoform	12.293	173	1436	0.983	ug/L #	93
60) Isopropylbenzene	12.422	105	8530	0.894	ug/L	98
61) 1,2,3-Trichloropropane	12.716	75	1451	0.980	ug/L	93
62) 1,3,5-Trimethylbenzene	12.898	105	6205	0.879	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	5794	0.808	ug/L	93
64) 1,3-Dichlorobenzene	13.451	146	4988	1.076	ug/L	88
65) 1,4-Dichlorobenzene	13.534	146	5492	1.099	ug/L	93
67) 1,2-Dichlorobenzene	13.828	146	5189	1.182	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	14.451	75	442m	1.434	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	3368	1.118	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	2797	1.097	ug/L #	94
71) Naphthalene	15.328	128	5332	1.025	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.510	180	2636	1.106	ug/L #	82

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

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