

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
 Data File : VD078323.D
 Acq On : 02 Feb 2024 13:48
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024

Quant Time: Feb 03 01:17:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	208487	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	199777	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	82582	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	153403	25.934	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 103.720%	
7) Chloroethane-d5	2.799	69	129948	26.135	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.560%	
11) 1,1-Dichloroethene-d2	3.911	65	32888	25.751	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 103.000%	
21) 2-Butanone-d5	6.987	46	43056	49.439	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 98.880%	
24) Chloroform-d	7.569	84	149106	25.084	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 100.320%	
26) 1,2-Dichloroethane-d4	8.228	65	79001	24.627	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 98.520%	
32) Benzene-d6	8.205	84	301960	25.850	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.400%	
36) 1,2-Dichloropropane-d6	9.210	67	91679	25.493	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 101.960%	
41) Toluene-d8	10.269	98	267503	25.495	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 102.000%	
43) trans-1,3-Dichloroprop...	10.528	79	39791	24.780	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 99.120%	
47) 2-Hexanone-d5	10.881	63	37513	51.413	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 102.820%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	81265	24.318	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 97.280%	
66) 1,2-Dichlorobenzene-d4	13.816	152	77682	26.275	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3415	0.831	ug/L #	88
3) Chloromethane	2.152	50	6192	1.036	ug/L	85
5) Vinyl chloride	2.281	62	7319	0.990	ug/L #	82
6) Bromomethane	2.693	94	2489m	0.743	ug/L	
8) Chloroethane	2.834	64	4371	0.929	ug/L	85
9) Trichlorofluoromethane	3.170	101	4623	0.880	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	3423m	1.047	ug/L	
12) 1,1-Dichloroethene	3.922	96	3492m	1.154	ug/L	
13) Acetone	4.034	43	1891m	1.654	ug/L	
14) Carbon disulfide	4.275	76	9066	0.813	ug/L #	95
15) Methyl Acetate	4.581	43	1330m	0.776	ug/L	
16) Methylene chloride	4.805	84	12055m	2.948	ug/L	
17) trans-1,2-Dichloroethene	5.316	96	2324m	0.697	ug/L	
18) Methyl tert-butyl Ether	5.328	73	5185m	0.669	ug/L	
19) 1,1-Dichloroethane	6.105	63	4576	0.784	ug/L #	95
20) cis-1,2-Dichloroethene	7.081	96	3176m	0.869	ug/L	
22) 2-Butanone	7.093	43	2508m	1.811	ug/L	
23) Bromochloromethane	7.434	128	1270m	0.787	ug/L	
25) Chloroform	7.587	83	8175m	1.284	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	3820	0.934	ug/L	94
29) Cyclohexane	7.887	56	3547m	0.785	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	3895m	0.795	ug/L	
31) Carbon tetrachloride	7.987	117	3855m	0.894	ug/L	
33) Benzene	8.252	78	12458m	0.925	ug/L	
34) Trichloroethene	9.022	95	2980	0.876	ug/L	79
35) Methylcyclohexane	9.275	83	3804m	0.715	ug/L	
37) 1,2-Dichloropropane	9.304	63	3022m	0.852	ug/L	
38) Bromodichloromethane	9.587	83	3539m	0.765	ug/L	
39) cis-1,3-Dichloropropene	10.016	75	4569	0.827	ug/L	91
40) 4-Methyl-2-pentanone	10.163	43	3643	1.654	ug/L #	81
42) Toluene	10.340	91	11320	0.808	ug/L	92
44) trans-1,3-Dichloropropene	10.546	75	4000m	0.828	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	2541m	0.899	ug/L	
46) Tetrachloroethene	10.804	164	1957m	0.838	ug/L	
48) 2-Hexanone	10.928	43	2455	1.366	ug/L #	91
49) Dibromochloromethane	11.075	129	2722	0.857	ug/L	94
50) 1,2-Dibromoethane	11.175	107	2233	0.810	ug/L #	67
51) Chlorobenzene	11.610	112	7888	0.870	ug/L	94
52) Ethylbenzene	11.687	91	11347	0.754	ug/L	94
53) m,p-Xylene	11.798	106	4110	0.711	ug/L	94
54) o-Xylene	12.122	106	3841	0.689	ug/L	90
55) Styrene	12.140	104	6225	0.619	ug/L	82
57) 1,1,2,2-Tetrachloroethane	12.663	83	3110	0.858	ug/L #	76
59) Bromoform	12.298	173	1460	0.881	ug/L #	63
60) Isopropylbenzene	12.422	105	9738	0.780	ug/L	97
61) 1,2,3-Trichloropropane	12.734	75	1538	0.730	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.904	105	6853	0.702	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	7224	0.747	ug/L	94
64) 1,3-Dichlorobenzene	13.457	146	4400	0.790	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	5826	0.999	ug/L	88
67) 1,2-Dichlorobenzene	13.828	146	4358	0.827	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	14.451	75	483m	1.035	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	3170m	0.924	ug/L	
70) 1,2,4-trichlorobenzene	15.098	180	2222	0.749	ug/L	96
71) Naphthalene	15.328	128	4787	0.690	ug/L #	78
72) 1,2,3-Trichlorobenzene	15.522	180	2236	0.808	ug/L #	85

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

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