

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
 Data File : VD078361.D
 Acq On : 07 Feb 2024 14:48
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 08 00:40:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 08 00:21:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

02/08/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	190837	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	184390	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75345	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.270	65	150135	27.729	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.920%	
7) Chloroethane-d5	2.799	69	124420	27.338	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.360%	
11) 1,1-Dichloroethene-d2	3.917	65	29754	25.452	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.800%	
21) 2-Butanone-d5	6.993	46	31422	39.417	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 78.840%	
24) Chloroform-d	7.569	84	131935	24.248	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 97.000%	
26) 1,2-Dichloroethane-d4	8.234	65	70029	23.849	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 95.400%	
32) Benzene-d6	8.199	84	285802	26.508	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 106.040%	
36) 1,2-Dichloropropane-d6	9.210	67	86219	25.975	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 103.920%	
41) Toluene-d8	10.269	98	253912	26.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 104.880%	
43) trans-1,3-Dichloroprop...	10.522	79	35286	23.808	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 95.240%	
47) 2-Hexanone-d5	10.875	63	26968	40.045	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 80.080%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	66909	21.693	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 86.760%	
66) 1,2-Dichlorobenzene-d4	13.816	152	70461	26.122	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 104.480%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	2362	0.628	ug/L #	88
3) Chloromethane	2.152	50	4473	0.817	ug/L	84
5) Vinyl chloride	2.281	62	4877	0.721	ug/L #	34
6) Bromomethane	2.693	94	1860m	0.606	ug/L	
8) Chloroethane	2.846	64	3066m	0.712	ug/L	
9) Trichlorofluoromethane	3.175	101	3203	0.666	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	2807m	0.938	ug/L	
12) 1,1-Dichloroethene	3.928	96	2179m	0.787	ug/L	
14) Carbon disulfide	4.269	76	6566m	0.643	ug/L	
16) Methylene chloride	4.811	84	8388m	2.241	ug/L	
17) trans-1,2-Dichloroethene	5.316	96	1837m	0.602	ug/L	
18) Methyl tert-butyl Ether	5.328	73	3523m	0.496	ug/L	
19) 1,1-Dichloroethane	6.122	63	3344m	0.626	ug/L	
20) cis-1,2-Dichloroethene	7.069	96	1987m	0.594	ug/L	
22) 2-Butanone	7.081	43	1240m	0.978	ug/L	
23) Bromochloromethane	7.434	128	749	0.507	ug/L #	33
25) Chloroform	7.593	83	11182	1.919	ug/L	83
27) 1,2-Dichloroethane	8.316	62	2514m	0.672	ug/L	
29) Cyclohexane	7.869	56	2174m	0.522	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.793	97	2903m	0.642	ug/L	
31) Carbon tetrachloride	7.999	117	2347m	0.589	ug/L	
33) Benzene	8.252	78	8166	0.657	ug/L	100
34) Trichloroethene	9.022	95	1814m	0.578	ug/L	
35) Methylcyclohexane	9.275	83	2681m	0.546	ug/L	
37) 1,2-Dichloropropane	9.304	63	2171	0.663	ug/L #	87
38) Bromodichloromethane	9.581	83	3071	0.719	ug/L #	60
39) cis-1,3-Dichloropropene	10.016	75	3051	0.599	ug/L	91
40) 4-Methyl-2-pentanone	10.163	43	1702m	0.837	ug/L	
42) Toluene	10.328	91	8479	0.656	ug/L	91
44) trans-1,3-Dichloropropene	10.551	75	2430m	0.545	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	1631	0.625	ug/L	88
46) Tetrachloroethene	10.804	164	1502m	0.697	ug/L	
48) 2-Hexanone	10.922	43	1617	0.975	ug/L #	74
49) Dibromochloromethane	11.075	129	1773m	0.605	ug/L	
50) 1,2-Dibromoethane	11.181	107	1352	0.531	ug/L #	81
51) Chlorobenzene	11.598	112	5473	0.654	ug/L	94
52) Ethylbenzene	11.681	91	8110	0.584	ug/L	92
53) m,p-Xylene	11.787	106	2844	0.533	ug/L	63
54) o-Xylene	12.122	106	2323	0.451	ug/L	87
55) Styrene	12.128	104	3751	0.404	ug/L	80
57) 1,1,2,2-Tetrachloroethane	12.669	83	2165	0.647	ug/L #	85
59) Bromoform	12.298	173	861	0.570	ug/L #	86
60) Isopropylbenzene	12.422	105	6820	0.599	ug/L	97
61) 1,2,3-Trichloropropane	12.716	75	1275	0.663	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.904	105	4769	0.536	ug/L	89
63) 1,2,4-Trimethylbenzene	13.210	105	4842	0.549	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	3309	0.651	ug/L #	90
65) 1,4-Dichlorobenzene	13.534	146	3796	0.714	ug/L	93
67) 1,2-Dichlorobenzene	13.822	146	3568	0.742	ug/L #	72
68) 1,2-Dibromo-3-chloropr...	14.440	75	277m	0.651	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	1946	0.622	ug/L	93
70) 1,2,4-trichlorobenzene	15.092	180	2052	0.758	ug/L #	84
71) Naphthalene	15.328	128	3259	0.515	ug/L #	85
72) 1,2,3-Trichlorobenzene	15.516	180	1508	0.597	ug/L #	87

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

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