

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
 Data File : VD078360.D
 Acq On : 07 Feb 2024 14:21
 Operator : RP/MD
 Sample : 04696-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Feb 08 00:39:59 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 02/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	191151	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	183548	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	74521	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	138728	25.580	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 102.320%	
7) Chloroethane-d5	2.805	69	116574	25.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 102.280%	
11) 1,1-Dichloroethene-d2	3.916	65	28559	24.389	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 97.560%	
21) 2-Butanone-d5	6.987	46	25329	31.721	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 63.440%	
24) Chloroform-d	7.569	84	120847	22.174	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 88.680%	
26) 1,2-Dichloroethane-d4	8.228	65	65413	22.240	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 88.960%	
32) Benzene-d6	8.199	84	271990	25.343	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 101.360%	
36) 1,2-Dichloropropane-d6	9.210	67	83717	25.337	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 101.360%	
41) Toluene-d8	10.269	98	240611	24.960	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 99.840%	
43) trans-1,3-Dichloroprop...	10.522	79	31535	21.375	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 85.480%	
47) 2-Hexanone-d5	10.875	63	22788	33.993	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 67.980%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	59810	19.481	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 77.920%	
66) 1,2-Dichlorobenzene-d4	13.816	152	68667	25.739	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 102.960%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	1910	0.507	ug/L #	82
3) Chloromethane	2.152	50	4384	0.800	ug/L	98
5) Vinyl chloride	2.287	62	4972	0.734	ug/L #	74
6) Bromomethane	2.699	94	1965m	0.640	ug/L	
8) Chloroethane	2.840	64	2994	0.694	ug/L #	65
9) Trichlorofluoromethane	3.175	101	3197	0.664	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	2761m	0.921	ug/L	
12) 1,1-Dichloroethene	3.940	96	2571m	0.927	ug/L	
14) Carbon disulfide	4.275	76	6911	0.676	ug/L	98
15) Methyl Acetate	4.575	43	594m	0.378	ug/L	
16) Methylene chloride	4.799	84	9500m	2.534	ug/L	
17) trans-1,2-Dichloroethene	5.328	96	1884m	0.616	ug/L	
18) Methyl tert-butyl Ether	5.328	73	3322m	0.467	ug/L	
19) 1,1-Dichloroethane	6.122	63	3131m	0.585	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	2054m	0.613	ug/L	
22) 2-Butanone	7.093	43	1232m	0.971	ug/L	
23) Bromochloromethane	7.422	128	815m	0.551	ug/L	
25) Chloroform	7.599	83	16938	2.901	ug/L	87
27) 1,2-Dichloroethane	8.340	62	2412	0.643	ug/L #	69

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	2422m	0.584	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	2689	0.598	ug/L #	67
31) Carbon tetrachloride	7.987	117	2364	0.596	ug/L #	64
33) Benzene	8.257	78	7756	0.627	ug/L	100
34) Trichloroethene	9.028	95	1886	0.604	ug/L	87
35) Methylcyclohexane	9.275	83	2846	0.582	ug/L #	83
37) 1,2-Dichloropropane	9.299	63	2233m	0.685	ug/L	
38) Bromodichloromethane	9.581	83	2711	0.638	ug/L #	68
39) cis-1,3-Dichloropropene	10.022	75	2703	0.533	ug/L #	82
40) 4-Methyl-2-pentanone	10.151	43	1759	0.869	ug/L #	52
42) Toluene	10.334	91	8151	0.633	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	2707m	0.610	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	1536	0.591	ug/L #	73
46) Tetrachloroethene	10.804	164	1520	0.709	ug/L	74
49) Dibromochloromethane	11.069	129	1485	0.509	ug/L #	68
50) 1,2-Dibromoethane	11.175	107	1238m	0.489	ug/L	
51) Chlorobenzene	11.604	112	5289	0.635	ug/L	92
52) Ethylbenzene	11.681	91	8095	0.586	ug/L	91
53) m,p-Xylene	11.787	106	2699	0.508	ug/L	78
54) o-Xylene	12.122	106	2700	0.527	ug/L	76
55) Styrene	12.128	104	3715	0.402	ug/L #	70
57) 1,1,2,2-Tetrachloroethane	12.669	83	1848	0.555	ug/L #	84
59) Bromoform	12.298	173	780	0.522	ug/L #	66
60) Isopropylbenzene	12.416	105	6520	0.579	ug/L	95
61) 1,2,3-Trichloropropane	12.728	75	1009m	0.531	ug/L	
62) 1,3,5-Trimethylbenzene	12.904	105	4871	0.553	ug/L	91
63) 1,2,4-Trimethylbenzene	13.210	105	4344	0.498	ug/L	89
64) 1,3-Dichlorobenzene	13.451	146	3091	0.615	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	3531	0.671	ug/L #	72
67) 1,2-Dichlorobenzene	13.834	146	2998	0.631	ug/L	96
69) 1,3,5-Trichlorobenzene	14.598	180	1933m	0.624	ug/L	
70) 1,2,4-trichlorobenzene	15.092	180	1768	0.661	ug/L	85
71) Naphthalene	15.328	128	2899	0.463	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.522	180	1314	0.526	ug/L #	84

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

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