

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078344.D
 Acq On : 05 Feb 2024 13:19
 Operator : RP/MD
 Sample : 04696-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 06 01:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 06 00:51:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	200915	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	197309	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	79647	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	102558	17.992	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	71.960%		
7) Chloroethane-d5	2.804	69	92056	19.212	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	76.840%		
11) 1,1-Dichloroethene-d2	3.922	65	22096	17.953	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	71.800%		
21) 2-Butanone-d5	6.987	46	27345m	32.582	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	65.160%		
24) Chloroform-d	7.569	84	109698	19.150	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	76.600%		
26) 1,2-Dichloroethane-d4	8.234	65	59082	19.112	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	76.440%		
32) Benzene-d6	8.204	84	219072	18.988	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	75.960%		
36) 1,2-Dichloropropane-d6	9.210	67	71878	20.237	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	80.960%		
41) Toluene-d8	10.269	98	188057	18.148	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	72.600%		
43) trans-1,3-Dichloroprop...	10.528	79	28043	17.682	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	70.720%		
47) 2-Hexanone-d5	10.881	63	22855	31.715	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	63.440%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	58001	17.574	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	70.280%		
66) 1,2-Dichlorobenzene-d4	13.816	152	61873	21.699	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	86.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	2818	0.711	ug/L	98
3) Chloromethane	2.152	50	5420	0.941	ug/L	91
5) Vinyl chloride	2.287	62	6388	0.897	ug/L #	53
6) Bromomethane	2.693	94	2700	0.836	ug/L	97
8) Chloroethane	2.846	64	3863	0.852	ug/L	92
9) Trichlorofluoromethane	3.169	101	5029	0.993	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	3480m	1.104	ug/L	
12) 1,1-Dichloroethene	3.946	96	2881	0.988	ug/L #	1
13) Acetone	4.034	43	1854m	1.682	ug/L	
14) Carbon disulfide	4.275	76	8789	0.818	ug/L	97
15) Methyl Acetate	4.575	43	830m	0.503	ug/L	
16) Methylene chloride	4.798	84	9578m	2.431	ug/L	
17) trans-1,2-Dichloroethene	5.310	96	3037m	0.945	ug/L	
18) Methyl tert-butyl Ether	5.316	73	5010m	0.670	ug/L	
19) 1,1-Dichloroethane	6.116	63	4737m	0.842	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	3021m	0.858	ug/L	
22) 2-Butanone	7.092	43	1458m	1.093	ug/L	
23) Bromochloromethane	7.440	128	1154m	0.742	ug/L	
25) Chloroform	7.598	83	13726	2.237	ug/L	96

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27) 1,2-Dichloroethane	8.322	62	3351m	0.850	ug/L	
29) Cyclohexane	7.875	56	3407m	0.764	ug/L	
30) 1,1,1-Trichloroethane	7.792	97	4289	0.887	ug/L #	79
31) Carbon tetrachloride	7.992	117	3602m	0.845	ug/L	
33) Benzene	8.251	78	11323	0.852	ug/L	100
34) Trichloroethene	9.022	95	2774	0.826	ug/L #	70
35) Methylcyclohexane	9.275	83	4073	0.775	ug/L	96
37) 1,2-Dichloropropane	9.304	63	3148	0.899	ug/L #	87
38) Bromodichloromethane	9.581	83	3745	0.819	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	4759	0.873	ug/L	92
40) 4-Methyl-2-pentanone	10.163	43	2188	1.006	ug/L #	86
42) Toluene	10.334	91	11341	0.820	ug/L	88
44) trans-1,3-Dichloropropene	10.551	75	3742	0.784	ug/L	96
45) 1,1,2-Trichloroethane	10.739	97	1875	0.671	ug/L #	85
46) Tetrachloroethene	10.822	164	2221	0.963	ug/L #	69
48) 2-Hexanone	10.922	43	2027m	1.142	ug/L	
49) Dibromochloromethane	11.075	129	2542	0.810	ug/L	83
50) 1,2-Dibromoethane	11.169	107	2018m	0.741	ug/L	
51) Chlorobenzene	11.604	112	7303	0.815	ug/L	90
52) Ethylbenzene	11.680	91	11349	0.764	ug/L	99
53) m,p-Xylene	11.792	106	3970	0.695	ug/L	87
54) o-Xylene	12.122	106	3754	0.682	ug/L	97
55) Styrene	12.133	104	6269	0.631	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	2953	0.825	ug/L #	54
59) Bromoform	12.292	173	1253	0.784	ug/L #	68
60) Isopropylbenzene	12.422	105	9492	0.789	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	1601	0.788	ug/L	94
62) 1,3,5-Trimethylbenzene	12.904	105	6099	0.648	ug/L	88
63) 1,2,4-Trimethylbenzene	13.210	105	6486	0.696	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	4598	0.856	ug/L	82
65) 1,4-Dichlorobenzene	13.539	146	5098	0.907	ug/L	80
67) 1,2-Dichlorobenzene	13.833	146	4761	0.937	ug/L	89
69) 1,3,5-Trichlorobenzene	14.598	180	2754	0.832	ug/L #	90
70) 1,2,4-trichlorobenzene	15.098	180	2523	0.882	ug/L	94
71) Naphthalene	15.333	128	4754	0.710	ug/L	96
72) 1,2,3-Trichlorobenzene	15.516	180	2379m	0.891	ug/L	

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

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