

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078345.D
 Acq On : 05 Feb 2024 13:46
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 06 01:29:49 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	211247	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	198091	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	81113	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	101223	16.889	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.560%
7) Chloroethane-d5	2.799	69	91543	18.171	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.680%
11) 1,1-Dichloroethene-d2	3.916	65	21074	16.285	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.120%
21) 2-Butanone-d5	6.993	46	28641	32.457	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.920%
24) Chloroform-d	7.569	84	110032	18.269	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.080%
26) 1,2-Dichloroethane-d4	8.234	65	56659	17.431	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	69.720%#
32) Benzene-d6	8.204	84	219207	18.925	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.720%
36) 1,2-Dichloropropane-d6	9.204	67	70375	19.736	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.960%
41) Toluene-d8	10.269	98	183208	17.610	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.440%
43) trans-1,3-Dichloroprop...	10.528	79	26869	16.875	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.520%
47) 2-Hexanone-d5	10.875	63	23232	32.111	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.220%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	57292	17.290	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	60673	20.894	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3028	0.727	ug/L	98
3) Chloromethane	2.146	50	4900	0.809	ug/L	85
5) Vinyl chloride	2.281	62	5805	0.775	ug/L #	64
6) Bromomethane	2.693	94	2692	0.793	ug/L	96
8) Chloroethane	2.840	64	3569	0.748	ug/L	86
9) Trichlorofluoromethane	3.175	101	3864m	0.726	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	2522	0.761	ug/L #	50
12) 1,1-Dichloroethene	3.940	96	2795m	0.912	ug/L	
14) Carbon disulfide	4.275	76	7922m	0.701	ug/L	
15) Methyl Acetate	4.587	43	756m	0.435	ug/L	
16) Methylene chloride	4.811	84	7553	1.823	ug/L	93
17) trans-1,2-Dichloroethene	5.305	96	2488m	0.736	ug/L	
18) Methyl tert-butyl Ether	5.328	73	3459m	0.440	ug/L	
19) 1,1-Dichloroethane	6.122	63	4033m	0.682	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	2419m	0.653	ug/L	
22) 2-Butanone	7.075	43	1526m	1.088	ug/L	
23) Bromochloromethane	7.422	128	1076m	0.658	ug/L	
25) Chloroform	7.593	83	11072m	1.716	ug/L	
27) 1,2-Dichloroethane	8.322	62	2635	0.636	ug/L #	69

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.881	56	3152m	0.704	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	4081m	0.840	ug/L	
31) Carbon tetrachloride	7.993	117	3284	0.768	ug/L	86
33) Benzene	8.257	78	9803	0.734	ug/L	100
34) Trichloroethene	9.034	95	2327m	0.690	ug/L	
35) Methylcyclohexane	9.281	83	3696	0.701	ug/L	95
37) 1,2-Dichloropropane	9.304	63	2379	0.676	ug/L #	87
38) Bromodichloromethane	9.581	83	3356	0.731	ug/L #	60
39) cis-1,3-Dichloropropene	10.022	75	3746	0.684	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	2108	0.965	ug/L #	84
42) Toluene	10.334	91	9525	0.686	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	3749m	0.783	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	1917	0.684	ug/L #	87
46) Tetrachloroethene	10.804	164	1866m	0.806	ug/L	
48) 2-Hexanone	10.928	43	1975	1.108	ug/L #	68
49) Dibromochloromethane	11.069	129	2028	0.644	ug/L	98
50) 1,2-Dibromoethane	11.181	107	1571	0.574	ug/L #	84
51) Chlorobenzene	11.610	112	6212	0.691	ug/L #	89
52) Ethylbenzene	11.687	91	9139	0.613	ug/L	98
53) m,p-Xylene	11.787	106	3452	0.602	ug/L	88
54) o-Xylene	12.116	106	2781	0.503	ug/L	99
55) Styrene	12.134	104	4988	0.500	ug/L #	79
57) 1,1,2,2-Tetrachloroethane	12.669	83	2437	0.678	ug/L #	89
59) Bromoform	12.310	173	983m	0.604	ug/L	
60) Isopropylbenzene	12.422	105	7782	0.635	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	1428	0.690	ug/L #	66
62) 1,3,5-Trimethylbenzene	12.904	105	5754	0.600	ug/L	95
63) 1,2,4-Trimethylbenzene	13.216	105	5808	0.612	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	4155	0.760	ug/L	88
65) 1,4-Dichlorobenzene	13.545	146	4367	0.763	ug/L #	80
67) 1,2-Dichlorobenzene	13.839	146	4452	0.861	ug/L #	88
69) 1,3,5-Trichlorobenzene	14.598	180	2729	0.810	ug/L #	88
70) 1,2,4-trichlorobenzene	15.104	180	1855	0.637	ug/L #	82
71) Naphthalene	15.328	128	4009	0.588	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.522	180	1827m	0.672	ug/L	

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

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