

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053024\
 Data File : VD079090.D
 Acq On : 30 May 2024 12:30
 Operator : RP/MD
 Sample : P2586-06MS
 Misc : 4.83G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A4D18MS

Quant Time: May 31 01:55:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 31 01:52:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.763	114	295863	25.000	ug/L	-0.01
28) Chlorobenzene-d5	11.581	117	244716	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	74373	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.358	65	76765	8.431	ug/L	0.08
Spiked Amount	25.000	Range	30 - 150	Recovery	=	33.720%
7) Chloroethane-d5	2.805	69	9049	1.028	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	4.120%#
11) 1,1-Dichloroethene-d2	3.705	65	39028m	24.147	ug/L	-0.22
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.600%
21) 2-Butanone-d5	7.022	46	17798m	25.558	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.120%
24) Chloroform-d	7.552	84	130319	15.753	ug/L	-0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	63.000%
26) 1,2-Dichloroethane-d4	8.216	65	41549	10.888	ug/L	-0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	43.560%#
32) Benzene-d6	8.169	84	294759	21.728	ug/L	-0.04
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.920%
36) 1,2-Dichloropropane-d6	9.199	67	90525m	23.165	ug/L	-0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.680%
41) Toluene-d8	10.263	98	284249	22.378	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.520%
43) trans-1,3-Dichloroprop...	10.534	79	20549m	12.511	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	50.040%
47) 2-Hexanone-d5	10.934	63	6578m	13.021	ug/L	0.06
Spiked Amount	50.000	Range	20 - 135	Recovery	=	26.040%
56) 1,1,2,2-Tetrachloroeth...	12.663	84	18125	5.236	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	20.960%#
66) 1,2-Dichlorobenzene-d4	13.816	152	33506	13.054	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	52.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.023	85	51618	11.021	ug/L #	83
3) Chloromethane	2.193	50	60673	9.720	ug/L	91
5) Vinyl chloride	2.364	62	69044	6.701	ug/L	94
6) Bromomethane	2.676	94	6684m	0.840	ug/L	
8) Chloroethane	2.840	64	7334m	0.971	ug/L	
9) Trichlorofluoromethane	3.211	101	13873m	1.768	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.058	101	72133m	15.326	ug/L	
12) 1,1-Dichloroethene	3.734	96	75512m	18.429	ug/L	
13) Acetone	4.058	43	18497m	18.347	ug/L	
14) Carbon disulfide	4.075	76	191577	13.403	ug/L	99
15) Methyl Acetate	4.546	43	113028m	82.283	ug/L	
16) Methylene chloride	4.799	84	84443m	16.018	ug/L	
17) trans-1,2-Dichloroethene	5.193	96	68804m	15.538	ug/L	
18) Methyl tert-butyl Ether	5.322	73	60970	7.763	ug/L #	81
19) 1,1-Dichloroethane	6.058	63	106628m	14.956	ug/L	
20) cis-1,2-Dichloroethene	7.046	96	63678m	13.811	ug/L	
22) 2-Butanone	7.116	43	18954m	17.896	ug/L	
23) Bromochloromethane	7.393	128	25260m	10.806	ug/L	
25) Chloroform	7.581	83	97621	12.060	ug/L	95

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

27) 1,2-Dichloroethane	8.310	62	39618	8.432	ug/L	98
29) Cyclohexane	7.840	56	87103m	19.727	ug/L	
30) 1,1,1-Trichloroethane	7.763	97	100878	17.411	ug/L #	80
31) Carbon tetrachloride	7.952	117	54363	10.097	ug/L	97
33) Benzene	8.222	78	238607	16.371	ug/L	100
34) Trichloroethene	9.010	95	61790	16.460	ug/L	97
35) Methylcyclohexane	9.252	83	128059	20.587	ug/L	92
37) 1,2-Dichloropropane	9.299	63	36372	10.188	ug/L #	92
38) Bromodichloromethane	9.587	83	60598m	12.210	ug/L	
39) cis-1,3-Dichloropropene	10.022	75	64611m	11.593	ug/L	
40) 4-Methyl-2-pentanone	10.175	43	19163m	12.858	ug/L	
42) Toluene	10.328	91	289290	17.874	ug/L	100
44) trans-1,3-Dichloropropene	10.563	75	44395	9.420	ug/L	87
45) 1,1,2-Trichloroethane	10.740	97	31466m	10.046	ug/L	
46) Tetrachloroethene	10.805	164	60346	18.257	ug/L	96
48) 2-Hexanone	10.940	43	11199m	8.684	ug/L	
49) Dibromochloromethane	11.087	129	29703m	8.008	ug/L	
50) 1,2-Dibromoethane	11.181	107	28243	9.812	ug/L #	96
51) Chlorobenzene	11.610	112	148370	13.778	ug/L	94
52) Ethylbenzene	11.687	91	288146	17.068	ug/L	96
53) m,p-Xylene	11.793	106	131013	19.780	ug/L	99
54) o-Xylene	12.122	106	96709	15.113	ug/L	95
55) Styrene	12.140	104	144006	12.692	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.681	83	14680	4.187	ug/L #	91
59) Bromoform	12.310	173	12645	9.277	ug/L #	69
60) Isopropylbenzene	12.428	105	276008	28.066	ug/L	99
61) 1,2,3-Trichloropropane	12.734	75	14133	10.763	ug/L	96
62) 1,3,5-Trimethylbenzene	12.910	105	172672	25.680	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	162301	22.568	ug/L	97
64) 1,3-Dichlorobenzene	13.463	146	82259	17.412	ug/L	92
65) 1,4-Dichlorobenzene	13.546	146	73663	14.716	ug/L	94
67) 1,2-Dichlorobenzene	13.834	146	46841	10.725	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	767m	2.842	ug/L	
69) 1,3,5-Trichlorobenzene	14.598	180	35657	11.967	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	13673	5.525	ug/L	100
71) Naphthalene	15.334	128	10059	2.174	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.522	180	6210	2.904	ug/L	99

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

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