

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053024\
 Data File : VD079088.D
 Acq On : 30 May 2024 11:36
 Operator : RP/MD
 Sample : P2586-08
 Misc : 5.52G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A4D19

Quant Time: May 31 01:53:49 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	8.775	114	164410	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	141359	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	49228	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	88340	17.461	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.840%
7) Chloroethane-d5	2.799	69	95759	19.574	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.280%
11) 1,1-Dichloroethene-d2	3.917	65	15485	17.241	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.960%
21) 2-Butanone-d5	6.987	46	13753	35.540	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.080%
24) Chloroform-d	7.563	84	90288	19.641	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.560%
26) 1,2-Dichloroethane-d4	8.228	65	44823	21.137	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.560%
32) Benzene-d6	8.205	84	178911	22.831	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.320%
36) 1,2-Dichloropropane-d6	9.210	67	50020	22.159	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.640%
41) Toluene-d8	10.269	98	149519	20.378	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.520%
43) trans-1,3-Dichloroprop...	10.522	79	21288	22.437	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.760%
47) 2-Hexanone-d5	10.875	63	12297	42.139	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.280%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	39360	19.686	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.760%
66) 1,2-Dichlorobenzene-d4	13.816	152	31594	18.596	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	37150	14.274	ug/L	96
3) Chloromethane	2.146	50	57157	16.477	ug/L	97
5) Vinyl chloride	2.281	62	86596	15.125	ug/L	97
6) Bromomethane	2.693	94	69620	15.751	ug/L	95
8) Chloroethane	2.834	64	68876	16.413	ug/L	98
9) Trichlorofluoromethane	3.175	101	62900	14.422	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	36613	13.999	ug/L	98
12) 1,1-Dichloroethene	3.940	96	32720	14.370	ug/L	94
13) Acetone	4.028	43	10087	18.005	ug/L	96
14) Carbon disulfide	4.269	76	119681	15.068	ug/L	99
15) Methyl Acetate	4.569	43	12464m	16.328	ug/L	
16) Methylene chloride	4.793	84	48310m	16.491	ug/L	
17) trans-1,2-Dichloroethene	5.305	96	39551	16.073	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	78443m	17.975	ug/L	
19) 1,1-Dichloroethane	6.116	63	67601	17.064	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	44083	17.205	ug/L	93
22) 2-Butanone	7.081	43	14779	25.111	ug/L	73
23) Bromochloromethane	7.422	128	24104	18.556	ug/L	94
25) Chloroform	7.593	83	76681	17.048	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	46722	17.894	ug/L	97
29) Cyclohexane	7.887	56	32673m	12.810	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	60324	18.025	ug/L	99
31) Carbon tetrachloride	7.987	117	53084	17.069	ug/L	93
33) Benzene	8.252	78	169217	20.099	ug/L	100
34) Trichloroethene	9.028	95	37048	17.085	ug/L	94
35) Methylcyclohexane	9.275	83	34875	9.706	ug/L	99
37) 1,2-Dichloropropane	9.304	63	40012	19.402	ug/L	98
38) Bromodichloromethane	9.581	83	57318	19.994	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	59961	18.626	ug/L	93
40) 4-Methyl-2-pentanone	10.163	43	33248	38.621	ug/L	93
42) Toluene	10.334	91	166509	17.810	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	53562	19.675	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	36808	20.345	ug/L	97
46) Tetrachloroethene	10.810	164	26706	13.987	ug/L	99
48) 2-Hexanone	10.922	43	23102	31.012	ug/L	97
49) Dibromochloromethane	11.069	129	40010	18.675	ug/L	92
50) 1,2-Dibromoethane	11.181	107	33605	20.211	ug/L	100
51) Chlorobenzene	11.604	112	99897	16.059	ug/L	95
52) Ethylbenzene	11.681	91	143136	14.678	ug/L	99
53) m,p-Xylene	11.793	106	56076	14.656	ug/L	98
54) o-Xylene	12.122	106	56719	15.344	ug/L	99
55) Styrene	12.134	104	99795	15.226	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.669	83	37274	18.405	ug/L	96
59) Bromoform	12.298	173	24129	26.743	ug/L	99
60) Isopropylbenzene	12.422	105	119164	18.307	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	24570	28.270	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	72567	16.305	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	78401	16.470	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	49858	15.944	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	52446	15.829	ug/L	94
67) 1,2-Dichlorobenzene	13.828	146	47401	16.397	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	4635	25.942	ug/L	90
69) 1,3,5-Trichlorobenzene	14.592	180	21239	10.769	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	14816	9.045	ug/L	98
71) Naphthalene	15.328	128	34272	11.188	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	12678	8.956	ug/L	92

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

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