

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091423\
 Data File : VD077113.D
 Acq On : 14 Sep 2023 09:33
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025189

Quant Time: Sep 14 23:20:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 02 01:35:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	276888	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	284390	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	158127	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	158875	23.286	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.160%
7) Chloroethane-d5	2.799	69	139240	24.817	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.280%
11) 1,1-Dichloroethene-d2	3.917	65	34353	22.166	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.680%
21) 2-Butanone-d5	6.981	46	44072	51.276	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.560%
24) Chloroform-d	7.569	84	194292	25.644	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.560%
26) 1,2-Dichloroethane-d4	8.228	65	94473	26.308	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.240%
32) Benzene-d6	8.199	84	381557	24.292	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.160%
36) 1,2-Dichloropropane-d6	9.210	67	110791	24.596	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.400%
41) Toluene-d8	10.269	98	351204	24.426	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.720%
43) trans-1,3-Dichloroprop...	10.522	79	46830	22.817	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.280%
47) 2-Hexanone-d5	10.875	63	36899	51.289	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.580%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	107370	26.738	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	120226	23.688	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.760%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	86757	24.433	ug/L	98
3) Chloromethane	2.146	50	142102	23.583	ug/L	98
5) Vinyl chloride	2.281	62	167491	23.696	ug/L	97
6) Bromomethane	2.687	94	111020	22.485	ug/L	90
8) Chloroethane	2.834	64	110974	23.924	ug/L	99
9) Trichlorofluoromethane	3.175	101	155635	23.286	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	101906	24.927	ug/L	100
12) 1,1-Dichloroethene	3.940	96	84148	22.632	ug/L	88
13) Acetone	4.016	43	61771	50.098	ug/L	97
14) Carbon disulfide	4.269	76	267927	22.260	ug/L	99
15) Methyl Acetate	4.558	43	40407	24.501	ug/L #	77
16) Methylene chloride	4.793	84	113261	20.098	ug/L	96
17) trans-1,2-Dichloroethene	5.311	96	92181	22.770	ug/L	89
18) Methyl tert-butyl Ether	5.316	73	197431	22.582	ug/L	99
19) 1,1-Dichloroethane	6.111	63	162508	23.807	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	105791	22.825	ug/L	98
22) 2-Butanone	7.081	43	72867	48.986	ug/L	97
23) Bromochloromethane	7.428	128	53712	24.283	ug/L	96
25) Chloroform	7.593	83	184378	24.191	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	111078	24.333	ug/L	99
29) Cyclohexane	7.875	56	120772	22.583	ug/L	99
30) 1,1,1-Trichloroethane	7.787	97	159493	23.991	ug/L	98
31) Carbon tetrachloride	7.993	117	133983	23.825	ug/L	98
33) Benzene	8.246	78	400448	23.441	ug/L	100
34) Trichloroethene	9.028	95	100837	22.260	ug/L	98
35) Methylcyclohexane	9.275	83	160549	22.982	ug/L	99
37) 1,2-Dichloropropane	9.304	63	103052	23.916	ug/L	99
38) Bromodichloromethane	9.581	83	141097	23.735	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	157862	23.043	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	116418	49.159	ug/L	99
42) Toluene	10.334	91	437339	23.634	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	137186	23.423	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	87420	23.975	ug/L	94
46) Tetrachloroethene	10.810	164	85790	23.167	ug/L	97
48) 2-Hexanone	10.922	43	100293	54.917	ug/L	98
49) Dibromochloromethane	11.069	129	103040	24.195	ug/L	93
50) 1,2-Dibromoethane	11.181	107	86457	24.001	ug/L	95
51) Chlorobenzene	11.610	112	283575	22.919	ug/L	98
52) Ethylbenzene	11.681	91	464299	23.185	ug/L	99
53) m,p-Xylene	11.793	106	184090	23.807	ug/L	96
54) o-Xylene	12.122	106	173608	23.259	ug/L	98
55) Styrene	12.134	104	321100	24.073	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	107350	25.031	ug/L	99
59) Bromoform	12.298	173	65909	23.110	ug/L	99
60) Isopropylbenzene	12.422	105	467314	22.930	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	69289	22.957	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	354112	22.465	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	353530	22.892	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	220999	22.761	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	232830	22.953	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	205177	22.975	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	14951	23.685	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	145557	22.748	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	117007	21.365	ug/L	98
71) Naphthalene	15.334	128	241522	22.061	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	112748	22.415	ug/L	99

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

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