

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062024\
 Data File : VD079213.D
 Acq On : 20 Jun 2024 10:51
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025903

Quant Time: Jun 21 04:10:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 20 09:05:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	189789	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	197023	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	102783	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	109911	18.819	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.280%
7) Chloroethane-d5	2.799	69	102150	18.088	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.360%
11) 1,1-Dichloroethene-d2	3.916	65	19141	18.462	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.840%
21) 2-Butanone-d5	6.987	46	24267	54.324	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.640%
24) Chloroform-d	7.563	84	119947	22.603	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	8.228	65	58537	23.912	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.640%
32) Benzene-d6	8.199	84	238949	21.877	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.520%
36) 1,2-Dichloropropane-d6	9.210	67	68479	21.766	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.080%
41) Toluene-d8	10.263	98	228081	22.303	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	10.522	79	31195	23.589	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.360%
47) 2-Hexanone-d5	10.869	63	23539	57.873	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.740%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	72371	25.970	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.880%
66) 1,2-Dichlorobenzene-d4	13.810	152	81138	22.874	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	65765	21.890	ug/L	99
3) Chloromethane	2.146	50	109588	27.368	ug/L	99
5) Vinyl chloride	2.281	62	156758	23.718	ug/L	97
6) Bromomethane	2.687	94	112081	21.967	ug/L	94
8) Chloroethane	2.834	64	110788	22.871	ug/L	91
9) Trichlorofluoromethane	3.169	101	115632	22.967	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	73427	24.321	ug/L	96
12) 1,1-Dichloroethene	3.934	96	63620	24.205	ug/L	93
13) Acetone	4.016	43	30192	46.685	ug/L	74
14) Carbon disulfide	4.263	76	222158	24.229	ug/L	97
15) Methyl Acetate	4.563	43	25350	28.769	ug/L	94
16) Methylene chloride	4.793	84	83560	24.709	ug/L	92
17) trans-1,2-Dichloroethene	5.310	96	73175	25.761	ug/L	88
18) Methyl tert-butyl Ether	5.316	73	145458	28.873	ug/L #	90
19) 1,1-Dichloroethane	6.105	63	117580	25.710	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	80421	27.191	ug/L	90
22) 2-Butanone	7.087	43	37010	54.476	ug/L	76
23) Bromochloromethane	7.422	128	43259	28.848	ug/L	92
25) Chloroform	7.593	83	137711	26.522	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	82509	27.374	ug/L	96
29) Cyclohexane	7.875	56	82445	23.193	ug/L	96
30) 1,1,1-Trichloroethane	7.787	97	113503	24.333	ug/L	100
31) Carbon tetrachloride	7.993	117	107346	24.764	ug/L	94
33) Benzene	8.246	78	306057	26.081	ug/L	100
34) Trichloroethene	9.028	95	74977	24.807	ug/L	95
35) Methylcyclohexane	9.275	83	117543	23.471	ug/L	99
37) 1,2-Dichloropropane	9.304	63	75477	26.259	ug/L	98
38) Bromodichloromethane	9.581	83	103445	25.889	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	114976	25.624	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	74853	62.384	ug/L	96
42) Toluene	10.334	91	346516	26.593	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	106890	28.171	ug/L	97
45) 1,1,2-Trichloroethane	10.728	97	69281	27.475	ug/L	99
46) Tetrachloroethene	10.804	164	66457	24.972	ug/L	95
48) 2-Hexanone	10.922	43	60464	58.235	ug/L	99
49) Dibromochloromethane	11.069	129	80804	27.060	ug/L	98
50) 1,2-Dibromoethane	11.175	107	67141	28.972	ug/L	98
51) Chlorobenzene	11.604	112	224770	25.925	ug/L	98
52) Ethylbenzene	11.681	91	358439	26.371	ug/L	99
53) m,p-Xylene	11.793	106	143258	26.864	ug/L	100
54) o-Xylene	12.116	106	137030	26.597	ug/L	93
55) Styrene	12.134	104	258487	28.296	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.669	83	81554	28.893	ug/L	99
59) Bromoform	12.298	173	53573	28.439	ug/L	99
60) Isopropylbenzene	12.416	105	352397	25.929	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	52837	29.117	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	235730	25.368	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	261493	26.310	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	173416	26.561	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	181065	26.174	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	160507	26.593	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.439	75	10756	28.834	ug/L #	76
69) 1,3,5-Trichlorobenzene	14.592	180	105011	25.502	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	86170	25.197	ug/L	97
71) Naphthalene	15.328	128	177507	27.754	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	86258	29.183	ug/L	94

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

