

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111823\
 Data File : VD077618.D
 Acq On : 18 Nov 2023 09:14
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025215

Quant Time: Nov 19 23:20:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 18 00:25:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	270205	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	247966	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	128728	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	130015	18.915	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.680%
7) Chloroethane-d5	2.805	69	115854	21.455	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.840%
11) 1,1-Dichloroethene-d2	3.922	65	41149	19.360	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.440%
21) 2-Butanone-d5	6.993	46	64241	53.981	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.960%
24) Chloroform-d	7.569	84	188480	24.147	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	8.228	65	99450	23.953	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	8.204	84	356759	22.167	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.680%
36) 1,2-Dichloropropane-d6	9.210	67	119253	22.749	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.000%
41) Toluene-d8	10.269	98	315708	21.709	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.840%
43) trans-1,3-Dichloroprop...	10.522	79	51979	22.997	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.000%
47) 2-Hexanone-d5	10.875	63	51991	55.440	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.880%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	97108	27.959	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.840%
66) 1,2-Dichlorobenzene-d4	13.816	152	110765	24.187	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.760%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	109201	25.095	ug/L	98
3) Chloromethane	2.152	50	158606	25.334	ug/L	100
5) Vinyl chloride	2.287	62	187422	26.523	ug/L	97
6) Bromomethane	2.699	94	97282	25.859	ug/L	98
8) Chloroethane	2.840	64	120908	27.523	ug/L	92
9) Trichlorofluoromethane	3.181	101	181083	28.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	110715	27.977	ug/L	98
12) 1,1-Dichloroethene	3.946	96	100462	26.145	ug/L	92
13) Acetone	4.022	43	71199	56.917	ug/L	99
14) Carbon disulfide	4.275	76	319076	23.061	ug/L	100
15) Methyl Acetate	4.563	43	53109	25.807	ug/L	98
16) Methylene chloride	4.804	84	117987	25.862	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	103234	25.540	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	253890	26.762	ug/L #	80
19) 1,1-Dichloroethane	6.116	63	219297	27.041	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	116897	26.620	ug/L	97
22) 2-Butanone	7.081	43	81107	53.887	ug/L	96
23) Bromochloromethane	7.422	128	47682	27.023	ug/L	89
25) Chloroform	7.598	83	207714	27.881	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	137802	27.903	ug/L	97
29) Cyclohexane	7.881	56	196191	24.368	ug/L	97
30) 1,1,1-Trichloroethane	7.798	97	179425	27.640	ug/L	99
31) Carbon tetrachloride	7.992	117	154646	27.720	ug/L	99
33) Benzene	8.251	78	458296	26.652	ug/L	100
34) Trichloroethene	9.028	95	113056	26.533	ug/L	95
35) Methylcyclohexane	9.275	83	194814	25.337	ug/L	99
37) 1,2-Dichloropropane	9.304	63	126153	26.390	ug/L	98
38) Bromodichloromethane	9.587	83	150704	27.484	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	196224	26.713	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	157915	54.208	ug/L	98
42) Toluene	10.334	91	492245	27.266	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	164444	27.092	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	83254	28.491	ug/L	96
46) Tetrachloroethene	10.810	164	86835	27.698	ug/L	97
48) 2-Hexanone	10.922	43	124821	54.057	ug/L	99
49) Dibromochloromethane	11.075	129	94517	28.476	ug/L	100
50) 1,2-Dibromoethane	11.181	107	77318	27.670	ug/L	99
51) Chlorobenzene	11.610	112	289594	27.380	ug/L	96
52) Ethylbenzene	11.686	91	542454	27.307	ug/L	99
53) m,p-Xylene	11.792	106	203265	28.119	ug/L	100
54) o-Xylene	12.122	106	193021	27.880	ug/L	93
55) Styrene	12.133	104	343688	28.431	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	98101	28.499	ug/L	100
59) Bromoform	12.298	173	59395	27.063	ug/L	98
60) Isopropylbenzene	12.422	105	539536	25.912	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	69580	25.375	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	410325	25.965	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	418082	26.117	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	227939	26.684	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	228470	26.502	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	201809	26.722	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	14827	24.859	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.598	180	152698	26.253	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	130470	26.615	ug/L	98
71) Naphthalene	15.333	128	242836	26.285	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	115229	27.568	ug/L	98

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

