

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077744.D
 Acq On : 04 Dec 2023 17:03
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025299

Quant Time: Dec 05 00:07:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 05 00:04:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	293365	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	282063	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	144599	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	128864	16.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.440%
7) Chloroethane-d5	2.811	69	117863	18.483	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.920%
11) 1,1-Dichloroethene-d2	3.928	65	35499	17.113	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.440%
21) 2-Butanone-d5	6.987	46	48215	47.685	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.380%
24) Chloroform-d	7.575	84	181179	22.915	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	8.234	65	91093	22.739	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.960%
32) Benzene-d6	8.204	84	355595	20.932	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.720%
36) 1,2-Dichloropropane-d6	9.210	67	111621	21.535	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.160%
41) Toluene-d8	10.269	98	333535	21.331	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.320%
43) trans-1,3-Dichloroprop...	10.528	79	51377	22.415	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.680%
47) 2-Hexanone-d5	10.881	63	43239	48.411	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.820%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	93008	24.832	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.320%
66) 1,2-Dichlorobenzene-d4	13.816	152	120966	23.384	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	99123	21.165	ug/L	98
3) Chloromethane	2.152	50	136446	20.279	ug/L	100
5) Vinyl chloride	2.287	62	174600	20.834	ug/L	97
6) Bromomethane	2.699	94	90281	20.335	ug/L	98
8) Chloroethane	2.846	64	118211	22.597	ug/L	96
9) Trichlorofluoromethane	3.187	101	154955	21.679	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	95618	22.676	ug/L	98
12) 1,1-Dichloroethene	3.952	96	87834	22.010	ug/L	94
13) Acetone	4.022	43	53546	41.333	ug/L	71
14) Carbon disulfide	4.281	76	316245	22.362	ug/L	99
15) Methyl Acetate	4.569	43	45253	24.402	ug/L	98
16) Methylene chloride	4.810	84	106744	20.492	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	99441	23.900	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	229006	24.968	ug/L	98
19) 1,1-Dichloroethane	6.122	63	185828	23.698	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	113214	24.486	ug/L	95
22) 2-Butanone	7.087	43	64280	44.086	ug/L #	61
23) Bromochloromethane	7.434	128	51467	26.738	ug/L	88
25) Chloroform	7.599	83	189414	24.535	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	121604	25.182	ug/L	98
29) Cyclohexane	7.881	56	152136	20.440	ug/L	94
30) 1,1,1-Trichloroethane	7.799	97	153910	22.299	ug/L	99
31) Carbon tetrachloride	7.999	117	140201	23.099	ug/L	100
33) Benzene	8.251	78	425729	23.189	ug/L	100
34) Trichloroethene	9.028	95	106741	23.422	ug/L	97
35) Methylcyclohexane	9.281	83	171298	21.173	ug/L	96
37) 1,2-Dichloropropane	9.304	63	112031	23.405	ug/L	100
38) Bromodichloromethane	9.587	83	139964	24.046	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	177963	23.808	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	123527	46.766	ug/L	95
42) Toluene	10.334	91	455427	23.355	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	151742	24.304	ug/L	99
45) 1,1,2-Trichloroethane	10.740	97	81985	25.503	ug/L	95
46) Tetrachloroethene	10.816	164	83820	22.809	ug/L	98
48) 2-Hexanone	10.922	43	97549	43.449	ug/L	97
49) Dibromochloromethane	11.075	129	95947	25.101	ug/L	96
50) 1,2-Dibromoethane	11.181	107	80152	25.853	ug/L #	99
51) Chlorobenzene	11.610	112	291740	24.128	ug/L	97
52) Ethylbenzene	11.687	91	496464	22.967	ug/L	98
53) m,p-Xylene	11.792	106	188584	23.088	ug/L	98
54) o-Xylene	12.122	106	187369	23.969	ug/L	93
55) Styrene	12.140	104	336373	24.592	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	97139	25.501	ug/L #	93
59) Bromoform	12.298	173	62862	26.274	ug/L #	98
60) Isopropylbenzene	12.422	105	488219	22.621	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	67539	25.393	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	371798	22.936	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	381903	23.236	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	223188	23.912	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	234188	24.179	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	202836	24.150	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	14908	23.771	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.598	180	144204	22.689	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	124538	23.081	ug/L	99
71) Naphthalene	15.333	128	243600	24.695	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	112940	23.877	ug/L	97

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

