

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077768.D
 Acq On : 07 Dec 2023 08:59
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025229

Quant Time: Dec 08 00:32:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	274170	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	251382	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	128974	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	158388	21.184	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.720%
7) Chloroethane-d5	2.811	69	142303	23.878	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.520%
11) 1,1-Dichloroethene-d2	3.922	65	41396	21.353	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.400%
21) 2-Butanone-d5	6.993	46	40970	43.357	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.720%
24) Chloroform-d	7.575	84	190833	25.825	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.320%
26) 1,2-Dichloroethane-d4	8.234	65	91233	24.368	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.480%
32) Benzene-d6	8.204	84	383255	25.314	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.240%
36) 1,2-Dichloropropane-d6	9.216	67	114511	24.789	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.160%
41) Toluene-d8	10.269	98	355046	25.478	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.920%
43) trans-1,3-Dichloroprop...	10.528	79	46122	22.578	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.320%
47) 2-Hexanone-d5	10.881	63	37428	47.020	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.040%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	84535	25.324	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.280%
66) 1,2-Dichlorobenzene-d4	13.816	152	115822	25.102	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	114704	26.207	ug/L	100
3) Chloromethane	2.152	50	144501	22.980	ug/L	100
5) Vinyl chloride	2.293	62	202588	25.866	ug/L	98
6) Bromomethane	2.705	94	98001	23.619	ug/L	94
8) Chloroethane	2.846	64	132806	27.164	ug/L	96
9) Trichlorofluoromethane	3.187	101	180770	27.061	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	114009	28.931	ug/L	98
12) 1,1-Dichloroethene	3.946	96	104397	27.992	ug/L #	84
13) Acetone	4.028	43	57326	47.349	ug/L	99
14) Carbon disulfide	4.281	76	347523	26.294	ug/L	98
15) Methyl Acetate	4.575	43	36333	20.963	ug/L	99
16) Methylene chloride	4.816	84	112040	23.015	ug/L	95
17) trans-1,2-Dichloroethene	5.316	96	109683	28.207	ug/L	87
18) Methyl tert-butyl Ether	5.322	73	210362	24.541	ug/L	99
19) 1,1-Dichloroethane	6.122	63	194378	26.523	ug/L	100
20) cis-1,2-Dichloroethene	7.087	96	117500	27.193	ug/L	96
22) 2-Butanone	7.087	43	59584	43.726	ug/L #	64
23) Bromochloromethane	7.434	128	48572	27.000	ug/L	88
25) Chloroform	7.604	83	196098	27.179	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	117630	26.065	ug/L	99
29) Cyclohexane	7.887	56	176074	26.543	ug/L	93
30) 1,1,1-Trichloroethane	7.799	97	176903	28.759	ug/L	99
31) Carbon tetrachloride	7.999	117	160237	29.622	ug/L	98
33) Benzene	8.251	78	449033	27.444	ug/L	100
34) Trichloroethene	9.028	95	116018	28.565	ug/L	96
35) Methylcyclohexane	9.275	83	206463	28.634	ug/L	96
37) 1,2-Dichloropropane	9.310	63	112921	26.470	ug/L	100
38) Bromodichloromethane	9.587	83	138830	26.762	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	176456	26.487	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	105251	44.710	ug/L	95
42) Toluene	10.334	91	495448	28.509	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	144973	26.054	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	78005	27.226	ug/L	95
46) Tetrachloroethene	10.810	164	93018	28.402	ug/L	94
48) 2-Hexanone	10.922	43	85626	42.793	ug/L #	95
49) Dibromochloromethane	11.075	129	88403	25.950	ug/L	91
50) 1,2-Dibromoethane	11.181	107	70946	25.677	ug/L	96
51) Chlorobenzene	11.610	112	300844	27.917	ug/L	95
52) Ethylbenzene	11.687	91	545076	28.293	ug/L	100
53) m,p-Xylene	11.792	106	207236	28.468	ug/L	99
54) o-Xylene	12.122	106	196610	28.221	ug/L	90
55) Styrene	12.140	104	347256	28.486	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	85858	25.291	ug/L	98
59) Bromoform	12.298	173	56861	26.645	ug/L #	99
60) Isopropylbenzene	12.422	105	552097	28.680	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	57873	24.395	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	407522	28.186	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	413226	28.187	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	232165	27.887	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	241188	27.919	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	205219	27.394	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	12648	22.610	ug/L	95
69) 1,3,5-Trichlorobenzene	14.598	180	160606	28.331	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	128602	26.722	ug/L	98
71) Naphthalene	15.339	128	216695	24.629	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	111188	26.354	ug/L	98

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

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