

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120523\
 Data File : VD077753.D
 Acq On : 05 Dec 2023 15:29
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025226

Quant Time: Dec 06 00:26:19 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	289670	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	274412	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	136618	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.287	65	127555	16.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.600%
7) Chloroethane-d5	2.817	69	120383	19.119	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.480%
11) 1,1-Dichloroethene-d2	3.928	65	38385	18.741	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.960%
21) 2-Butanone-d5	6.993	46	44300	44.372	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.740%
24) Chloroform-d	7.575	84	181947	23.305	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.240%
26) 1,2-Dichloroethane-d4	8.234	65	89733	22.685	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.760%
32) Benzene-d6	8.205	84	366730	22.190	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.760%
36) 1,2-Dichloropropane-d6	9.216	67	111967	22.204	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.800%
41) Toluene-d8	10.275	98	344711	22.660	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.640%
43) trans-1,3-Dichloroprop...	10.528	79	49964	22.407	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.640%
47) 2-Hexanone-d5	10.881	63	39846	45.856	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.720%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	87252	23.945	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.760%
66) 1,2-Dichlorobenzene-d4	13.822	152	115651	23.663	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.640%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	97565	21.098	ug/L	99
3) Chloromethane	2.152	50	128376	19.323	ug/L	98
5) Vinyl chloride	2.293	62	161148	19.474	ug/L	99
6) Bromomethane	2.705	94	92256	21.045	ug/L	91
8) Chloroethane	2.852	64	106488	20.616	ug/L	98
9) Trichlorofluoromethane	3.193	101	149831	21.229	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	93532	22.464	ug/L	98
12) 1,1-Dichloroethene	3.952	96	87558	22.221	ug/L	89
13) Acetone	4.028	43	46124	36.058	ug/L	98
14) Carbon disulfide	4.287	76	303685	21.748	ug/L	98
15) Methyl Acetate	4.564	43	35547	19.413	ug/L	93
16) Methylene chloride	4.811	84	99852	19.414	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	97069	23.628	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	198394	21.907	ug/L #	90
19) 1,1-Dichloroethane	6.116	63	172831	22.321	ug/L	99
20) cis-1,2-Dichloroethene	7.087	96	106028	23.225	ug/L	97
22) 2-Butanone	7.081	43	55000	38.202	ug/L #	66
23) Bromochloromethane	7.434	128	44773	23.557	ug/L	84
25) Chloroform	7.599	83	175957	23.083	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	110075	23.085	ug/L	98
29) Cyclohexane	7.881	56	143899	19.872	ug/L	93
30) 1,1,1-Trichloroethane	7.799	97	147680	21.993	ug/L	99
31) Carbon tetrachloride	7.999	117	133227	22.562	ug/L	99
33) Benzene	8.252	78	397239	22.241	ug/L	100
34) Trichloroethene	9.034	95	102853	23.198	ug/L	97
35) Methylcyclohexane	9.275	83	164121	20.851	ug/L	98
37) 1,2-Dichloropropane	9.310	63	104501	22.440	ug/L	98
38) Bromodichloromethane	9.587	83	125137	22.098	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	157463	21.653	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	102907	40.046	ug/L	98
42) Toluene	10.334	91	431304	22.735	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	132224	21.768	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	70287	22.473	ug/L	97
46) Tetrachloroethene	10.816	164	78340	21.913	ug/L	95
48) 2-Hexanone	10.922	43	78804	36.078	ug/L	94
49) Dibromochloromethane	11.075	129	84769	22.795	ug/L	97
50) 1,2-Dibromoethane	11.181	107	69679	23.102	ug/L #	96
51) Chlorobenzene	11.610	112	265900	22.604	ug/L	98
52) Ethylbenzene	11.687	91	461035	21.922	ug/L	100
53) m,p-Xylene	11.798	106	179334	22.568	ug/L	98
54) o-Xylene	12.128	106	173487	22.812	ug/L	90
55) Styrene	12.140	104	309036	23.223	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	82370	22.227	ug/L	98
59) Bromoform	12.304	173	52324	23.147	ug/L #	99
60) Isopropylbenzene	12.428	105	458505	22.486	ug/L	99
61) 1,2,3-Trichloropropane	12.734	75	56425	22.454	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	346248	22.608	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	350855	22.594	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	201548	22.855	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	205906	22.501	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	181383	22.857	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.457	75	11279	19.035	ug/L	96
69) 1,3,5-Trichlorobenzene	14.598	180	134004	22.315	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	114357	22.432	ug/L	95
71) Naphthalene	15.339	128	204242	21.915	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	97411	21.797	ug/L	98

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

