

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076704.D
 Acq On : 03 Jul 2023 20:28
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025170

Quant Time: Jul 04 01:12:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	260116	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	232178	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	111143	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	97243	15.351	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.400%
7) Chloroethane-d5	2.793	69	87667	17.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.480%
11) 1,1-Dichloroethene-d2	3.911	65	32670	19.758	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.040%
21) 2-Butanone-d5	6.981	46	20063	20.913	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.820%
24) Chloroform-d	7.563	84	155342	22.668	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.680%
26) 1,2-Dichloroethane-d4	8.228	65	79041	23.380	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.520%
32) Benzene-d6	8.199	84	285509	20.102	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	9.205	67	86961	19.182	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.720%
41) Toluene-d8	10.269	98	264647	20.124	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.480%
43) trans-1,3-Dichloroprop...	10.522	79	37931	20.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.480%
47) 2-Hexanone-d5	10.875	63	11888	16.893	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	33.780%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	71336	22.117	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.480%
66) 1,2-Dichlorobenzene-d4	13.810	152	85928	21.093	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	97316	24.010	ug/L	99
3) Chloromethane	2.140	50	134276	19.928	ug/L	98
5) Vinyl chloride	2.281	62	138587	19.066	ug/L	98
6) Bromomethane	2.687	94	69524	17.268	ug/L	93
8) Chloroethane	2.834	64	85895	19.291	ug/L	94
9) Trichlorofluoromethane	3.170	101	137704	26.201	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	82021	24.059	ug/L	99
12) 1,1-Dichloroethene	3.928	96	75831	22.463	ug/L	96
13) Acetone	4.017	43	31633	40.824	ug/L	93
14) Carbon disulfide	4.264	76	252930	20.669	ug/L	99
15) Methyl Acetate	4.558	43	85146	48.136	ug/L	100
16) Methylene chloride	4.793	84	91249	20.183	ug/L	79
17) trans-1,2-Dichloroethene	5.305	96	86460	22.972	ug/L	93
18) Methyl tert-butyl Ether	5.311	73	193970	22.638	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	150798	21.915	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	94656	22.520	ug/L	97
22) 2-Butanone	7.081	43	25833	20.659	ug/L	93
23) Bromochloromethane	7.422	128	42222	23.668	ug/L #	84
25) Chloroform	7.593	83	160814	23.947	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	104853	25.389	ug/L	99
29) Cyclohexane	7.869	56	123147	19.946	ug/L	91
30) 1,1,1-Trichloroethane	7.787	97	140228	25.998	ug/L	99
31) Carbon tetrachloride	7.987	117	117930	27.339	ug/L	95
33) Benzene	8.246	78	337422	21.958	ug/L	100
34) Trichloroethene	9.022	95	94512	23.943	ug/L	95
35) Methylcyclohexane	9.269	83	138051	21.688	ug/L	97
37) 1,2-Dichloropropane	9.305	63	87937	20.990	ug/L	98
38) Bromodichloromethane	9.581	83	117328	24.554	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	134838	21.078	ug/L	95
40) 4-Methyl-2-pentanone	10.163	43	100869	38.704	ug/L	97
42) Toluene	10.334	91	367467	22.378	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	112230	21.584	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	65583	22.823	ug/L	92
46) Tetrachloroethene	10.810	164	67031	21.600	ug/L	96
48) 2-Hexanone	10.922	43	32580	18.253	ug/L	97
49) Dibromochloromethane	11.075	129	80401	24.620	ug/L	99
50) 1,2-Dibromoethane	11.181	107	65312	23.417	ug/L	90
51) Chlorobenzene	11.604	112	228261	22.265	ug/L	99
52) Ethylbenzene	11.681	91	399757	22.586	ug/L	98
53) m,p-Xylene	11.793	106	149849	21.543	ug/L	94
54) o-Xylene	12.122	106	146595	22.135	ug/L	98
55) Styrene	12.134	104	248522	21.720	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	70831	21.568	ug/L #	99
59) Bromoform	12.298	173	47916	24.083	ug/L	96
60) Isopropylbenzene	12.422	105	389792	22.929	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	53258	24.691	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	307228	22.588	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	301407	22.457	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	167740	22.179	ug/L	90
65) 1,4-Dichlorobenzene	13.540	146	171960	22.556	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	151666	22.511	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	11481	23.884	ug/L	88
69) 1,3,5-Trichlorobenzene	14.592	180	112281	22.258	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	94690	21.096	ug/L	99
71) Naphthalene	15.328	128	195522	22.752	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	85542	21.946	ug/L	98

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

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