

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078340.D
 Acq On : 05 Feb 2024 10:27
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025238

Quant Time: Feb 06 00:46:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	221879	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	231418	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	102800	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	119625	19.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.000%
7) Chloroethane-d5	2.805	69	101799	19.238	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.960%
11) 1,1-Dichloroethene-d2	3.922	65	26146	19.236	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.960%
21) 2-Butanone-d5	6.987	46	41665	44.954	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.900%
24) Chloroform-d	7.569	84	140165	22.156	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.640%
26) 1,2-Dichloroethane-d4	8.228	65	72840	21.336	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.360%
32) Benzene-d6	8.198	84	261708	19.341	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.360%
36) 1,2-Dichloropropane-d6	9.210	67	86096	20.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.680%
41) Toluene-d8	10.269	98	234768	19.316	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.280%
43) trans-1,3-Dichloroprop...	10.522	79	37970	20.413	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.640%
47) 2-Hexanone-d5	10.881	63	40090	47.432	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.860%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	80281	20.739	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	83463	22.679	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	115913	26.495	ug/L	100
3) Chloromethane	2.152	50	161919	25.448	ug/L	99
5) Vinyl chloride	2.287	62	196345	24.959	ug/L	99
6) Bromomethane	2.693	94	103437	29.002	ug/L	97
8) Chloroethane	2.840	64	124637	24.885	ug/L	98
9) Trichlorofluoromethane	3.175	101	154092	27.554	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	93084	26.749	ug/L	97
12) 1,1-Dichloroethene	3.940	96	83195	25.832	ug/L	88
13) Acetone	4.022	43	62251	51.154	ug/L	83
14) Carbon disulfide	4.275	76	288734	24.323	ug/L	99
15) Methyl Acetate	4.563	43	41636	22.834	ug/L #	75
16) Methylene chloride	4.805	84	101033	23.218	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	94638	26.667	ug/L	92
18) Methyl tert-butyl Ether	5.316	73	220590	26.724	ug/L	99
19) 1,1-Dichloroethane	6.116	63	167290	26.938	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	103927	26.720	ug/L	91
22) 2-Butanone	7.081	43	73776	50.070	ug/L	100
23) Bromochloromethane	7.434	128	46410	27.013	ug/L	96
25) Chloroform	7.599	83	176890	26.103	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	112212	25.784	ug/L	97
29) Cyclohexane	7.881	56	136106	26.018	ug/L	95
30) 1,1,1-Trichloroethane	7.798	97	147483	25.999	ug/L	99
31) Carbon tetrachloride	7.993	117	128930	25.800	ug/L	99
33) Benzene	8.251	78	388558	24.917	ug/L	100
34) Trichloroethene	9.028	95	102846	26.113	ug/L	97
35) Methylcyclohexane	9.275	83	158073	25.649	ug/L	98
37) 1,2-Dichloropropane	9.304	63	99009	24.095	ug/L	99
38) Bromodichloromethane	9.587	83	132658	24.744	ug/L #	97
39) cis-1,3-Dichloropropene	10.016	75	167258	26.150	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	126273	49.480	ug/L	98
42) Toluene	10.334	91	420489	25.917	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	140129	25.041	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	80640	24.620	ug/L	97
46) Tetrachloroethene	10.810	164	74668	27.610	ug/L	98
48) 2-Hexanone	10.922	43	108960	52.344	ug/L	97
49) Dibromochloromethane	11.075	129	93360	25.362	ug/L	96
50) 1,2-Dibromoethane	11.181	107	77613	24.292	ug/L	87
51) Chlorobenzene	11.604	112	275292	26.206	ug/L	97
52) Ethylbenzene	11.687	91	464041	26.626	ug/L	97
53) m,p-Xylene	11.792	106	174233	26.013	ug/L	99
54) o-Xylene	12.122	106	174428	27.005	ug/L	99
55) Styrene	12.134	104	315421	27.072	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.675	83	98958	23.581	ug/L	99
59) Bromoform	12.298	173	54673	26.507	ug/L	97
60) Isopropylbenzene	12.422	105	438312	28.218	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	66302	25.285	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	339964	27.980	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	341886	28.409	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	185075	26.700	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	199632	27.510	ug/L	99
67) 1,2-Dichlorobenzene	13.833	146	174142	26.560	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	14896	25.639	ug/L	93
69) 1,3,5-Trichlorobenzene	14.598	180	117300	27.467	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	103745	28.106	ug/L	98
71) Naphthalene	15.333	128	227976	26.381	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	92730	26.911	ug/L	98

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

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