

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121423\
 Data File : VD077891.D
 Acq On : 14 Dec 2023 18:41
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025234

Quant Time: Dec 15 07:14:45 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	232938	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	221456	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	110377	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	111802	17.600	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.400%
7) Chloroethane-d5	2.810	69	108940	21.516	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.080%
11) 1,1-Dichloroethene-d2	3.922	65	29689	18.025	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.120%
21) 2-Butanone-d5	6.993	46	38878	48.425	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.860%
24) Chloroform-d	7.569	84	162812	25.933	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.720%
26) 1,2-Dichloroethane-d4	8.234	65	81661	25.672	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.680%
32) Benzene-d6	8.204	84	315281	23.639	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.560%
36) 1,2-Dichloropropane-d6	9.216	67	97781	24.028	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.120%
41) Toluene-d8	10.269	98	285075	23.221	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.880%
43) trans-1,3-Dichloroprop...	10.528	79	42094	23.391	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.560%
47) 2-Hexanone-d5	10.881	63	35382	50.456	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.920%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	80568	27.397	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	13.816	152	98595	24.969	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	67095	18.043	ug/L	98
3) Chloromethane	2.152	50	91724	17.169	ug/L	99
5) Vinyl chloride	2.287	62	124038	18.640	ug/L	99
6) Bromomethane	2.699	94	69187	19.627	ug/L	97
8) Chloroethane	2.840	64	81926	19.724	ug/L	99
9) Trichlorofluoromethane	3.181	101	108835	19.176	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	68296	20.398	ug/L	99
12) 1,1-Dichloroethene	3.946	96	60671	19.147	ug/L #	85
13) Acetone	4.022	43	34634	33.670	ug/L	96
14) Carbon disulfide	4.281	76	199669	17.781	ug/L	100
15) Methyl Acetate	4.563	43	24155	16.404	ug/L #	79
16) Methylene chloride	4.810	84	76194	18.422	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	66572	20.151	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	137889	18.934	ug/L #	86
19) 1,1-Dichloroethane	6.122	63	123143	19.777	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	74648	20.333	ug/L	94
22) 2-Butanone	7.081	43	38460	33.220	ug/L #	61
23) Bromochloromethane	7.434	128	32245	21.097	ug/L	84
25) Chloroform	7.598	83	129905	21.192	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	77480	20.207	ug/L	96
29) Cyclohexane	7.887	56	100058	17.122	ug/L	92
30) 1,1,1-Trichloroethane	7.798	97	105191	19.412	ug/L	99
31) Carbon tetrachloride	7.993	117	94619	19.855	ug/L	99
33) Benzene	8.257	78	289370	20.075	ug/L	100
34) Trichloroethene	9.034	95	69876	19.529	ug/L	98
35) Methylcyclohexane	9.275	83	117813	18.547	ug/L	96
37) 1,2-Dichloropropane	9.304	63	72081	19.180	ug/L	98
38) Bromodichloromethane	9.587	83	92621	20.267	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	115704	19.715	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	71137	34.302	ug/L	96
42) Toluene	10.334	91	313004	20.444	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	98121	20.017	ug/L	94
45) 1,1,2-Trichloroethane	10.734	97	53217	21.084	ug/L	97
46) Tetrachloroethene	10.810	164	55433	19.213	ug/L	96
48) 2-Hexanone	10.922	43	56651	32.138	ug/L #	94
49) Dibromochloromethane	11.075	129	62210	20.729	ug/L	97
50) 1,2-Dibromoethane	11.181	107	49249	20.233	ug/L #	95
51) Chlorobenzene	11.610	112	194088	20.445	ug/L	95
52) Ethylbenzene	11.686	91	336165	19.807	ug/L	98
53) m,p-Xylene	11.798	106	130853	20.405	ug/L	90
54) o-Xylene	12.122	106	125254	20.409	ug/L	93
55) Styrene	12.133	104	218348	20.332	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	62238	20.811	ug/L	98
59) Bromoform	12.304	173	37051	20.288	ug/L #	98
60) Isopropylbenzene	12.422	105	332788	20.200	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	41088	20.238	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	249166	20.137	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	255379	20.355	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	143610	20.156	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	151327	20.468	ug/L	97
67) 1,2-Dichlorobenzene	13.833	146	129626	20.219	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	8625	18.016	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	94697	19.519	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	77458	18.807	ug/L	97
71) Naphthalene	15.327	128	139761	18.561	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	66902	18.529	ug/L	100

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

