

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091624\
 Data File : VD079848.D
 Acq On : 16 Sep 2024 17:48
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025908

Quant Time: Sep 17 05:05:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Sep 17 04:25:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	181819	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	176161	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	86749	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	133635	16.903	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.600%
7) Chloroethane-d5	2.799	69	117851	18.828	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.320%
11) 1,1-Dichloroethene-d2	3.916	65	25577	17.818	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.280%
21) 2-Butanone-d5	6.987	46	28848	39.272	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.540%
24) Chloroform-d	7.569	84	122333	20.468	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.880%
26) 1,2-Dichloroethane-d4	8.228	65	64250	20.558	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.240%
32) Benzene-d6	8.199	84	250068	20.107	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.440%
36) 1,2-Dichloropropane-d6	9.210	67	76009	19.955	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.800%
41) Toluene-d8	10.269	98	230767	21.086	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.360%
43) trans-1,3-Dichloroprop...	10.522	79	33579	20.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.000%
47) 2-Hexanone-d5	10.875	63	27375	44.088	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.180%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	60778	21.714	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.840%
66) 1,2-Dichlorobenzene-d4	13.810	152	68052	20.802	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	67499	19.469	ug/L	98
3) Chloromethane	2.146	50	121090	19.925	ug/L	99
5) Vinyl chloride	2.281	62	152590	20.489	ug/L	98
6) Bromomethane	2.693	94	89265	23.805	ug/L	96
8) Chloroethane	2.834	64	103777	21.092	ug/L	96
9) Trichlorofluoromethane	3.169	101	109291	20.410	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	63352	21.375	ug/L	99
12) 1,1-Dichloroethene	3.940	96	58027	21.020	ug/L	76
13) Acetone	4.022	43	43374	48.432	ug/L	97
14) Carbon disulfide	4.275	76	177142	19.727	ug/L	99
15) Methyl Acetate	4.558	43	30899	21.660	ug/L	93
16) Methylene chloride	4.799	84	76476	21.287	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	64014	21.747	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	151441	22.870	ug/L #	76
19) 1,1-Dichloroethane	6.110	63	128735	22.018	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	72697	22.430	ug/L	97
22) 2-Butanone	7.081	43	49224	46.856	ug/L #	49
23) Bromochloromethane	7.422	128	31795	23.114	ug/L	91
25) Chloroform	7.593	83	137062	22.520	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	84224	22.642	ug/L	95
29) Cyclohexane	7.881	56	93393	21.434	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	108776	22.653	ug/L	99
31) Carbon tetrachloride	7.993	117	97960	23.025	ug/L	100
33) Benzene	8.252	78	298160	22.730	ug/L	100
34) Trichloroethene	9.028	95	67636	22.315	ug/L	94
35) Methylcyclohexane	9.275	83	105483	21.566	ug/L	99
37) 1,2-Dichloropropane	9.304	63	85325	23.852	ug/L #	100
38) Bromodichloromethane	9.581	83	98630	23.662	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	118760	23.641	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	91606	48.919	ug/L	100
42) Toluene	10.334	91	333017	24.102	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	108796	24.575	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	60058	24.573	ug/L	93
46) Tetrachloroethene	10.810	164	47370	23.021	ug/L	91
48) 2-Hexanone	10.916	43	76897	50.484	ug/L	99
49) Dibromochloromethane	11.069	129	65237	24.454	ug/L	94
50) 1,2-Dibromoethane	11.175	107	49646	23.518	ug/L	95
51) Chlorobenzene	11.604	112	197367	23.802	ug/L	97
52) Ethylbenzene	11.681	91	350560	24.152	ug/L	98
53) m,p-Xylene	11.787	106	132470	24.095	ug/L	98
54) o-Xylene	12.116	106	130922	24.288	ug/L	96
55) Styrene	12.134	104	242124	25.557	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	70033	24.446	ug/L	90
59) Bromoform	12.298	173	35751	23.874	ug/L	95
60) Isopropylbenzene	12.416	105	344120	22.976	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	47752	22.394	ug/L	100
62) 1,3,5-Trimethylbenzene	12.898	105	262835	23.996	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	269681	23.478	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	145074	23.439	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	153782	23.688	ug/L	93
67) 1,2-Dichlorobenzene	13.828	146	132907	23.758	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.439	75	9850	22.577	ug/L	93
69) 1,3,5-Trichlorobenzene	14.586	180	85436	22.765	ug/L	96
70) 1,2,4-trichlorobenzene	15.092	180	72701	23.008	ug/L	98
71) Naphthalene	15.328	128	156759	22.212	ug/L	100
72) 1,2,3-Trichlorobenzene	15.516	180	66504	23.529	ug/L	97

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

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