

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061324\
 Data File : VD079177.D
 Acq On : 13 Jun 2024 13:20
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025895

Quant Time: Jun 14 04:32:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 12 01:05:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	182007	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	179828	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	91266	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	89957	16.061	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.240%
7) Chloroethane-d5	2.799	69	91928	16.974	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.880%
11) 1,1-Dichloroethene-d2	3.911	65	16790	16.886	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.560%
21) 2-Butanone-d5	6.981	46	23740	55.416	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.840%
24) Chloroform-d	7.563	84	105387	20.709	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.840%
26) 1,2-Dichloroethane-d4	8.228	65	48812	20.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.160%
32) Benzene-d6	8.199	84	202490	20.312	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.240%
36) 1,2-Dichloropropane-d6	9.204	67	57422	19.996	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.000%
41) Toluene-d8	10.269	98	181022	19.394	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.560%
43) trans-1,3-Dichloroprop...	10.522	79	25547	21.166	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.680%
47) 2-Hexanone-d5	10.875	63	21137	56.937	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.880%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	63013	24.774	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	64912	20.608	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	50960	17.687	ug/L	99
3) Chloromethane	2.146	50	90507	23.569	ug/L	96
5) Vinyl chloride	2.281	62	131428	20.736	ug/L	98
6) Bromomethane	2.687	94	90924	18.582	ug/L	97
8) Chloroethane	2.834	64	97990	21.094	ug/L	92
9) Trichlorofluoromethane	3.170	101	98947	20.493	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	61851	21.363	ug/L	98
12) 1,1-Dichloroethene	3.940	96	51814	20.556	ug/L	89
13) Acetone	4.017	43	34145	55.054	ug/L	99
14) Carbon disulfide	4.264	76	162563	18.488	ug/L	96
15) Methyl Acetate	4.569	43	22454	26.572	ug/L	99
16) Methylene chloride	4.799	84	75030	23.136	ug/L	96
17) trans-1,2-Dichloroethene	5.305	96	59999	22.026	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	123069	25.474	ug/L #	90
19) 1,1-Dichloroethane	6.105	63	99786	22.752	ug/L	92
20) cis-1,2-Dichloroethene	7.075	96	67728	23.878	ug/L	92
22) 2-Butanone	7.081	43	35992	55.242	ug/L	95
23) Bromochloromethane	7.422	128	33076	23.001	ug/L	96
25) Chloroform	7.593	83	115004	23.096	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	68032	23.536	ug/L	97
29) Cyclohexane	7.875	56	69095	21.296	ug/L	99
30) 1,1,1-Trichloroethane	7.787	97	97735	22.956	ug/L	98
31) Carbon tetrachloride	7.993	117	87067	22.007	ug/L	97
33) Benzene	8.246	78	249415	23.287	ug/L	100
34) Trichloroethene	9.022	95	61702	22.367	ug/L	90
35) Methylcyclohexane	9.269	83	96092	21.022	ug/L	99
37) 1,2-Dichloropropane	9.299	63	62531	23.835	ug/L	99
38) Bromodichloromethane	9.587	83	87809	24.077	ug/L	93
39) cis-1,3-Dichloropropene	10.016	75	96696	23.611	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	62659	57.215	ug/L	99
42) Toluene	10.334	91	276652	23.261	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	87232	25.189	ug/L	95
45) 1,1,2-Trichloroethane	10.734	97	56875	24.711	ug/L	97
46) Tetrachloroethene	10.804	164	51833	21.339	ug/L	94
48) 2-Hexanone	10.916	43	53888	56.865	ug/L	96
49) Dibromochloromethane	11.069	129	63918	23.452	ug/L	99
50) 1,2-Dibromoethane	11.175	107	52668	24.900	ug/L	97
51) Chlorobenzene	11.604	112	181741	22.966	ug/L	95
52) Ethylbenzene	11.681	91	282946	22.808	ug/L	98
53) m,p-Xylene	11.793	106	115628	23.756	ug/L	99
54) o-Xylene	12.122	106	108851	23.148	ug/L	94
55) Styrene	12.134	104	200773	24.079	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	66823	25.937	ug/L	100
59) Bromoform	12.298	173	42304	25.291	ug/L	99
60) Isopropylbenzene	12.422	105	284681	23.590	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	43967	27.286	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	190079	23.037	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	209452	23.733	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	133863	23.090	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	142621	23.218	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	125853	23.483	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.445	75	8511	25.695	ug/L	85
69) 1,3,5-Trichlorobenzene	14.592	180	83261	22.771	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	67999	22.392	ug/L	99
71) Naphthalene	15.328	128	142698	25.127	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	64140	24.438	ug/L	96

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

