

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101322\
 Data File : VW024894.D
 Acq On : 13 Oct 2022 10:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025597

Quant Time: Oct 14 02:05:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 12 23:18:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	451060	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	417360	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	197628	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	118413	22.252	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.000%
7) Chloroethane-d5	2.885	69	69493	22.304	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	4.025	63	272548	23.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.240%
21) 2-Butanone-d5	7.080	46	80917	47.990	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.980%
24) Chloroform-d	7.647	84	279009	21.931	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.720%
26) 1,2-Dichloroethane-d4	8.305	65	145835	21.902	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.600%
32) Benzene-d6	8.275	84	573686	21.920	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.680%
36) 1,2-Dichloropropane-d6	9.274	67	176008	21.927	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.720%
41) Toluene-d8	10.323	98	515757	21.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.840%
43) trans-1,3-Dichloroprop...	10.579	79	70698	23.222	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.880%
47) 2-Hexanone-d5	10.920	63	63191	46.954	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.900%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	140064	22.374	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.480%
66) 1,2-Dichlorobenzene-d4	13.853	152	160859	22.273	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	52530	26.030	ug/L	100
3) Chloromethane	2.215	50	115975	24.675	ug/L	99
5) Vinyl chloride	2.361	62	173976	27.131	ug/L	99
6) Bromomethane	2.782	94	81174	26.063	ug/L	95
8) Chloroethane	2.922	64	68005	25.452	ug/L	96
9) Trichlorofluoromethane	3.257	101	93098	29.351	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	160723	24.887	ug/L	97
12) 1,1-Dichloroethene	4.044	96	157796	25.822	ug/L	90
13) Acetone	4.123	43	66171	56.083	ug/L	97
14) Carbon disulfide	4.391	76	537336	26.920	ug/L	99
15) Methyl Acetate	4.665	43	74011	25.775	ug/L	100
16) Methylene chloride	4.915	84	173172	21.744	ug/L	97
17) trans-1,2-Dichloroethene	5.428	96	167866	25.236	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	259709	26.273	ug/L	99
19) 1,1-Dichloroethane	6.214	63	306957	24.943	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	179895	25.023	ug/L	95
22) 2-Butanone	7.171	43	101953	51.797	ug/L	99
23) Bromochloromethane	7.519	128	73980	25.159	ug/L	96
25) Chloroform	7.677	83	302222	25.020	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	196867	25.204	ug/L	100
29) Cyclohexane	7.958	56	309871	25.565	ug/L	100
30) 1,1,1-Trichloroethane	7.872	97	247201	25.755	ug/L	99
31) Carbon tetrachloride	8.073	117	215506	25.572	ug/L	97
33) Benzene	8.323	78	701222	24.696	ug/L	100
34) Trichloroethene	9.092	95	175483	24.541	ug/L	99
35) Methylcyclohexane	9.335	83	322800	25.083	ug/L	98
37) 1,2-Dichloropropane	9.366	63	176352	24.922	ug/L	100
38) Bromodichloromethane	9.646	83	217892	24.922	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	264419	25.852	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	209713	50.142	ug/L	100
42) Toluene	10.384	91	732927	25.176	ug/L	98
44) trans-1,3-Dichloropropene	10.603	75	219331	25.828	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	124458	25.180	ug/L	96
46) Tetrachloroethene	10.866	164	123831	25.469	ug/L	86
48) 2-Hexanone	10.969	43	143839	50.724	ug/L	99
49) Dibromochloromethane	11.128	129	138935	25.392	ug/L	93
50) 1,2-Dibromoethane	11.231	107	117639	25.265	ug/L #	96
51) Chlorobenzene	11.652	112	453263	24.772	ug/L	97
52) Ethylbenzene	11.731	91	810481	24.862	ug/L	98
53) m,p-Xylene	11.841	106	311058	25.115	ug/L	92
54) o-Xylene	12.164	106	297730	25.247	ug/L	93
55) Styrene	12.176	104	506400	25.037	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	149707	24.826	ug/L	99
59) Bromoform	12.353	173	66525	25.156	ug/L #	98
60) Isopropylbenzene	12.463	105	805032	25.253	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	109026	25.090	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	694507	25.375	ug/L	100
63) 1,2,4-Trimethylbenzene	13.243	105	680204	25.776	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	326797	25.171	ug/L	97
65) 1,4-Dichlorobenzene	13.579	146	325328	24.755	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	290284	25.155	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	24974	26.441	ug/L	92
69) 1,3,5-Trichlorobenzene	14.627	180	210801	24.868	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	178735	25.988	ug/L	97
71) Naphthalene	15.359	128	401677	26.955	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	153247	26.106	ug/L	99

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

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