

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101221\  
 Data File : VW020448.D  
 Acq On : 12 Oct 2021 09:14  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025029

Quant Time: Oct 13 02:07:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 12 01:21:43 2021  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	257920	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	231702	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	112645	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	79432	21.165	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery =	84.680%		
7) Chloroethane-d5	2.885	69	42607	21.492	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery =	85.960%		
11) 1,1-Dichloroethene-d2	4.025	63	188173	24.469	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery =	97.880%		
21) 2-Butanone-d5	7.086	46	54356	47.590	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery =	95.180%		
24) Chloroform-d	7.653	84	196914	23.951	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery =	95.800%		
26) 1,2-Dichloroethane-d4	8.311	65	109519	23.324	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery =	93.280%		
32) Benzene-d6	8.281	84	381636	25.040	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery =	100.160%		
36) 1,2-Dichloropropane-d6	9.274	67	119956	24.149	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery =	96.600%		
41) Toluene-d8	10.323	98	347212	25.390	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery =	101.560%		
43) trans-1,3-Dichloroprop...	10.579	79	51802	25.663	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery =	102.640%		
47) 2-Hexanone-d5	10.926	63	39537	51.741	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery =	103.480%		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	89482	23.832	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery =	95.320%		
66) 1,2-Dichlorobenzene-d4	13.853	152	110143	24.996	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery =	100.000%		
Target Compounds						
2) Dichlorodifluoromethane	2.007	85	31842	19.105	ug/L	99
3) Chloromethane	2.215	50	79677	22.992	ug/L	96
5) Vinyl chloride	2.361	62	117920	24.193	ug/L	99
6) Bromomethane	2.782	94	46437	21.935	ug/L	99
8) Chloroethane	2.922	64	40451	22.475	ug/L	96
9) Trichlorofluoromethane	3.257	101	69186	24.948	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	99660	25.198	ug/L	99
12) 1,1-Dichloroethene	4.044	96	95868	26.437	ug/L	96
13) Acetone	4.141	43	53974	51.471	ug/L	100
14) Carbon disulfide	4.385	76	290436	24.623	ug/L	98
15) Methyl Acetate	4.678	43	47066	24.169	ug/L	99
16) Methylene chloride	4.915	84	99542	19.853	ug/L	95
17) trans-1,2-Dichloroethene	5.427	96	99670	26.196	ug/L	96
18) Methyl tert-butyl Ether	5.434	73	148191	27.646	ug/L	99
19) 1,1-Dichloroethane	6.220	63	196575	25.203	ug/L	100
20) cis-1,2-Dichloroethene	7.171	96	104790	26.498	ug/L	98
22) 2-Butanone	7.177	43	67976	51.787	ug/L	99
23) Bromochloromethane	7.512	128	44211	25.489	ug/L	98
25) Chloroform	7.677	83	191089	25.201	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	129055	24.884	ug/L	100
29) Cyclohexane	7.957	56	189943	28.001	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	155068	26.940	ug/L	98
31) Carbon tetrachloride	8.073	117	133305	26.341	ug/L	99
33) Benzene	8.323	78	427101	25.880	ug/L	100
34) Trichloroethene	9.091	95	106322	26.151	ug/L	98
35) Methylcyclohexane	9.335	83	190073	27.318	ug/L	98
37) 1,2-Dichloropropane	9.372	63	108525	25.393	ug/L	99
38) Bromodichloromethane	9.646	83	132367	25.832	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	162703	27.593	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	133068	51.876	ug/L	99
42) Toluene	10.390	91	438896	26.514	ug/L	100
44) trans-1,3-Dichloropropene	10.609	75	140792	27.085	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	71050	25.892	ug/L	98
46) Tetrachloroethene	10.859	164	76308	26.130	ug/L	96
48) 2-Hexanone	10.969	43	104700	55.632	ug/L	97
49) Dibromochloromethane	11.128	129	77784	25.730	ug/L	98
50) 1,2-Dibromoethane	11.237	107	65486	25.981	ug/L	99
51) Chlorobenzene	11.658	112	266499	26.108	ug/L	98
52) Ethylbenzene	11.731	91	486567	27.106	ug/L	99
53) m,p-Xylene	11.841	106	178926	26.902	ug/L	97
54) o-Xylene	12.164	106	166755	27.149	ug/L	100
55) Styrene	12.182	104	298935	27.835	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	83581	24.570	ug/L	96
59) Bromoform	12.347	173	43209	27.381	ug/L	98
60) Isopropylbenzene	12.463	105	471203	28.500	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	62191	25.061	ug/L	99
62) 1,3,5-Trimethylbenzene	12.944	105	389245	28.835	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	388395	29.047	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	194249	27.154	ug/L	96
65) 1,4-Dichlorobenzene	13.578	146	193209	26.112	ug/L	95
67) 1,2-Dichlorobenzene	13.871	146	169528	25.867	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	13520	25.649	ug/L	94
69) 1,3,5-Trichlorobenzene	14.627	180	130417	25.567	ug/L	94
70) 1,2,4-trichlorobenzene	15.133	180	108299	26.813	ug/L	99
71) Naphthalene	15.365	128	209779	28.887	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	94912	26.754	ug/L	99

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

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