

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111324\
 Data File : VX043828.D
 Acq On : 13 Nov 2024 11:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050787

Quant Time: Nov 14 04:29:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 02:04:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2024
 Supervised By : Mahesh Dadoda 11/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	235233	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	207920	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	103644	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	53046	42.329	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.660%		
7) Chloroethane-d5	1.648	69	33479	62.152	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	124.300%		
11) 1,1-Dichloroethene-d2	2.294	65	24581	42.490	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.980%		
21) 2-Butanone-d5	4.458	46	84851m	103.412	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.410%		
24) Chloroform-d	5.050	84	133274	49.333	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.660%		
26) 1,2-Dichloroethane-d4	5.946	65	84350	49.149	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.300%		
32) Benzene-d6	5.964	84	250913	46.677	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.360%		
36) 1,2-Dichloropropane-d6	7.299	67	76008	46.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.960%		
41) Toluene-d8	8.641	98	229625	47.023	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.040%		
43) trans-1,3-Dichloroprop...	8.945	79	36964	47.261	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.520%		
47) 2-Hexanone-d5	9.384	63	64729	100.009	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.010%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114651	54.638	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.280%		
66) 1,2-Dichlorobenzene-d4	12.317	152	97195	54.125	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	70419	42.505	ug/L	99
3) Chloromethane	1.294	50	57776	35.884	ug/L	99
5) Vinyl chloride	1.374	62	62208	39.444	ug/L	99
6) Bromomethane	1.599	94	34818	56.971	ug/L	99
8) Chloroethane	1.666	64	28868	52.025	ug/L	97
9) Trichlorofluoromethane	1.861	101	108237	54.081	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	70789	51.499	ug/L	96
12) 1,1-Dichloroethene	2.306	96	60152	47.937	ug/L	75
13) Acetone	2.386	43	63444	83.136	ug/L	97
14) Carbon disulfide	2.495	76	99529	35.880	ug/L	96
15) Methyl Acetate	2.703	43	60863	37.717	ug/L #	89
16) Methylene chloride	2.782	84	65847	43.435	ug/L	91
17) trans-1,2-Dichloroethene	3.081	96	61062	45.232	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	221483	43.158	ug/L	98
19) 1,1-Dichloroethane	3.599	63	111639	41.996	ug/L	95
20) cis-1,2-Dichloroethene	4.477	96	74341	44.337	ug/L	91
22) 2-Butanone	4.568	43	82540	74.760	ug/L	90
23) Bromochloromethane	4.891	128	39547	46.920	ug/L	89
25) Chloroform	5.086	83	128079	44.899	ug/L	99

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27) 1,2-Dichloroethane	6.080	62	96093	43.596	ug/L	96
29) Cyclohexane	5.452	56	95057	39.401	ug/L	91
30) 1,1,1-Trichloroethane	5.373	97	112234	44.559	ug/L	98
31) Carbon tetrachloride	5.666	117	95681	46.305	ug/L	99
33) Benzene	6.025	78	252881	42.670	ug/L	100
34) Trichloroethene	7.117	95	71131	44.644	ug/L	95
35) Methylcyclohexane	7.373	83	108401	45.538	ug/L	94
37) 1,2-Dichloropropane	7.421	63	64339	40.755	ug/L	98
38) Bromodichloromethane	7.818	83	83777	41.723	ug/L	99
39) cis-1,3-Dichloropropene	8.360	75	110460	42.860	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	157788	73.434	ug/L #	92
42) Toluene	8.714	91	270380	43.375	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	98488	41.909	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	73251	45.249	ug/L	98
46) Tetrachloroethene	9.269	164	58022	50.592	ug/L	95
48) 2-Hexanone	9.433	43	126468	78.740	ug/L #	95
49) Dibromochloromethane	9.519	129	70230	46.545	ug/L	99
50) 1,2-Dibromoethane	9.604	107	76886	45.999	ug/L #	97
51) Chlorobenzene	10.073	112	189135	46.427	ug/L	98
52) Ethylbenzene	10.189	91	306250	45.199	ug/L	99
53) m,p-Xylene	10.299	106	122184	46.715	ug/L	97
54) o-Xylene	10.640	106	121931	46.760	ug/L	92
55) Styrene	10.653	104	204576	47.163	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	109570	45.192	ug/L	99
59) Bromoform	10.799	173	48067	44.338	ug/L	97
60) Isopropylbenzene	10.957	105	319724	44.489	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	82623	41.069	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	271491	44.944	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	268162	44.586	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	149209	47.201	ug/L	99
65) 1,4-Dichlorobenzene	12.036	146	149716	47.023	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	154194	47.732	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	20043	39.787	ug/L	90
69) 1,3,5-Trichlorobenzene	13.109	180	102777	48.747	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	91708	47.439	ug/L	98
71) Naphthalene	13.774	128	341805	47.613	ug/L	99
72) 1,2,3-Trichlorobenzene	13.957	180	97958	49.030	ug/L	99

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

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