

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122721\
 Data File : VX026089.D
 Acq On : 28 Dec 2021 02:31
 Operator : JC/MD
 Sample : M5232-02MS 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GBCC1MS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2021
 Supervised By : Mahesh Dadoda 12/28/2021

Quant Time: Dec 28 02:57:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 28 02:17:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	192579	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	187170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	104223	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	81731	59.848	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	119.700%	
7) Chloroethane-d5	1.672	69	64986	59.545	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	119.080%	
11) 1,1-Dichloroethene-d2	2.319	63	208817	77.161	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	154.320%#	
21) 2-Butanone-d5	4.465	46	178372	150.652	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	150.650%#	
24) Chloroform-d	5.068	84	166916	61.076	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	122.160%	
26) 1,2-Dichloroethane-d4	5.964	65	109598	59.231	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	118.460%	
32) Benzene-d6	5.983	84	308182	57.204	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	114.400%	
36) 1,2-Dichloropropane-d6	7.312	67	101071	60.354	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	120.700%#	
41) Toluene-d8	8.653	98	284021	56.464	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	112.920%	
43) trans-1,3-Dichloroprop...	8.952	79	54261m	74.474	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	148.940%#	
47) 2-Hexanone-d5	9.384	63	135084	156.296	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	156.300%#	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	156958	63.563	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	127.120%#	
66) 1,2-Dichlorobenzene-d4	12.323	152	118503	60.170	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	120.340%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	91251	47.409	ug/L	100
3) Chloromethane	1.295	50	92856	51.973	ug/L	98
5) Vinyl chloride	1.380	62	162559	91.674	ug/L	99
6) Bromomethane	1.612	94	49900	49.281	ug/L	97
8) Chloroethane	1.691	64	63782	59.571	ug/L	100
9) Trichlorofluoromethane	1.892	101	156994	58.507	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	107970	78.032	ug/L	94
12) 1,1-Dichloroethene	2.325	96	164589	127.180	ug/L	83
13) Acetone	2.386	43	204225	315.505	ug/L	96
14) Carbon disulfide	2.520	76	195771	54.772	ug/L	99
15) Methyl Acetate	2.709	43	118472	66.410	ug/L	# 91
16) Methylene chloride	2.794	84	100047	66.492	ug/L	93
17) trans-1,2-Dichloroethene	3.099	96	76133	55.246	ug/L	94
18) Methyl tert-butyl Ether	3.117	73	263014	58.750	ug/L	# 91
19) 1,1-Dichloroethane	3.617	63	2165128	833.055	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	2500162	1625.600	ug/L	86
22) 2-Butanone	4.562	43	201431	167.132	ug/L	95
23) Bromochloromethane	4.910	128	42958	55.988	ug/L	85
25) Chloroform	5.105	83	154790	57.084	ug/L	99

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27) 1,2-Dichloroethane	6.092	62	146580	65.533	ug/L	100
29) Cyclohexane	5.483	56	161810	65.820	ug/L	92
30) 1,1,1-Trichloroethane	5.397	97	7154804	3139.335	ug/L	95
31) Carbon tetrachloride	5.684	117	111815	56.609	ug/L	98
33) Benzene	6.044	78	1139330	191.695	ug/L	100
34) Trichloroethene	7.129	95	97456	64.103	ug/L	93
35) Methylcyclohexane	7.385	83	160852	66.846	ug/L	93
37) 1,2-Dichloropropane	7.434	63	89056	59.032	ug/L	98
38) Bromodichloromethane	7.824	83	117268	59.314	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	128776	59.403	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	484671	191.096	ug/L #	89
42) Toluene	8.738	91	14940077	2360.416	ug/L #	75
44) trans-1,3-Dichloropropene	8.982	75	131763	64.049	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	84654	58.095	ug/L	98
46) Tetrachloroethene	9.275	164	124461	107.310	ug/L	96
48) 2-Hexanone	9.433	43	281119	145.728	ug/L	95
49) Dibromochloromethane	9.525	129	92042	61.161	ug/L	95
50) 1,2-Dibromoethane	9.610	107	90608	58.227	ug/L	99
51) Chlorobenzene	10.079	112	238568	59.880	ug/L	95
52) Ethylbenzene	10.195	91	2912646	424.295	ug/L	98
53) m,p-Xylene	10.305	106	3135221	1196.442	ug/L	97
54) o-Xylene	10.646	106	1636845	630.616	ug/L	92
55) Styrene	10.659	104	340132m	77.623	ug/L	
57) 1,1,2,2-Tetrachloroethane	11.213	83	141420	57.753	ug/L	97
59) Bromoform	10.799	173	68057	63.227	ug/L	100
60) Isopropylbenzene	10.963	105	625573	87.363	ug/L	96
61) 1,2,3-Trichloropropane	11.238	75	118299	56.807	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	978457	163.200	ug/L	95
63) 1,2,4-Trimethylbenzene	11.756	105	2667607	444.140	ug/L #	81
64) 1,3-Dichlorobenzene	11.969	146	182349	57.074	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	192701	59.906	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	288531	91.337	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	46074	83.977	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.116	180	122199	56.973	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	116747	61.122	ug/L	95
71) Naphthalene	13.780	128	1713744	237.336	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	116181	58.899	ug/L	96

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

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