

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122721\
 Data File : VX026090.D
 Acq On : 28 Dec 2021 02:54
 Operator : JC/MD
 Sample : M5232-03MSD 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GBCC1MSD

Quant Time: Dec 28 04:41:51 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

Manual Integrations APPROVED

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

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

Internal Standards					
1) 1,4-Difluorobenzene	6.769	114	192244	50.000 ug/L	0.00
28) Chlorobenzene-d5	10.055	117	180826	50.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	100003	50.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.374	65	80609	59.129 ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 118.260%		
7) Chloroethane-d5	1.672	69	64221	58.946 ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.900%		
11) 1,1-Dichloroethene-d2	2.319	63	218297	80.804 ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 161.600%#		
21) 2-Butanone-d5	4.465	46	176530	149.356 ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 149.360%#		
24) Chloroform-d	5.062	84	168671	61.826 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 123.660%		
26) 1,2-Dichloroethane-d4	5.964	65	111485	60.356 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 120.720%		
32) Benzene-d6	5.983	84	307256	59.033 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 118.060%		
36) 1,2-Dichloropropane-d6	7.312	67	102701	63.478 ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 126.960%#		
41) Toluene-d8	8.653	98	274255	56.435 ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.880%		
43) trans-1,3-Dichloroprop...	8.952	79	53506	76.014 ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 152.020%#		
47) 2-Hexanone-d5	9.384	63	138982	166.448 ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 166.450%#		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	154430	64.734 ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 129.460%#		
66) 1,2-Dichlorobenzene-d4	12.323	152	110390	58.416 ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 116.840%		
Target Compounds					
					Qvalue
2) Dichlorodifluoromethane	1.172	85	99410	51.738 ug/L	99
3) Chloromethane	1.294	50	95645	53.628 ug/L	95
5) Vinyl chloride	1.380	62	149552	84.485 ug/L	99
6) Bromomethane	1.618	94	51369	50.820 ug/L	97
8) Chloroethane	1.691	64	63333	59.255 ug/L	99
9) Trichlorofluoromethane	1.892	101	165661	61.845 ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	122211	88.478 ug/L	93
12) 1,1-Dichloroethene	2.325	96	184704	142.972 ug/L	83
13) Acetone	2.386	43	191250	295.975 ug/L	94
14) Carbon disulfide	2.520	76	199862	56.014 ug/L	99
15) Methyl Acetate	2.709	43	124754	70.053 ug/L #	91
16) Methylene chloride	2.794	84	104472	69.554 ug/L	94
17) trans-1,2-Dichloroethene	3.099	96	76757	55.796 ug/L	91
18) Methyl tert-butyl Ether	3.117	73	278853	62.397 ug/L #	90
19) 1,1-Dichloroethane	3.617	63	2157065	831.399 ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	2710027	1765.124 ug/L	84
22) 2-Butanone	4.562	43	199805	166.072 ug/L	95
23) Bromochloromethane	4.904	128	44175	57.675 ug/L #	83
25) Chloroform	5.099	83	160217	59.188 ug/L	98

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27) 1,2-Dichloroethane	6.092	62	155340	69.571	ug/L	99
29) Cyclohexane	5.483	56	173673	73.124	ug/L	92
30) 1,1,1-Trichloroethane	5.397	97	8016222	3640.701	ug/L	95
31) Carbon tetrachloride	5.684	117	112124	58.757	ug/L	100
33) Benzene	6.044	78	1222162	212.846	ug/L	100
34) Trichloroethene	7.129	95	98425	67.012	ug/L	92
35) Methylcyclohexane	7.385	83	176885	76.088	ug/L	93
37) 1,2-Dichloropropane	7.434	63	92447	63.430	ug/L	99
38) Bromodichloromethane	7.824	83	118806	62.200	ug/L	98
39) cis-1,3-Dichloropropene	8.372	75	133376	63.684	ug/L	100
40) 4-Methyl-2-pentanone	8.580	43	502570	205.105	ug/L #	89
42) Toluene	8.738	91	15627513m	2555.647	ug/L	
44) trans-1,3-Dichloropropene	8.982	75	137131	68.997	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	87765	62.343	ug/L	97
46) Tetrachloroethene	9.275	164	122982	109.755	ug/L	97
48) 2-Hexanone	9.433	43	292638	157.021	ug/L	97
49) Dibromochloromethane	9.525	129	96674	66.493	ug/L	98
50) 1,2-Dibromoethane	9.610	107	93441	62.154	ug/L	99
51) Chlorobenzene	10.079	112	238417	61.941	ug/L	94
52) Ethylbenzene	10.195	91	2981376	449.544	ug/L	97
53) m,p-Xylene	10.305	106	3177032	1254.933	ug/L	97
54) o-Xylene	10.646	106	1676296	668.472	ug/L	94
55) Styrene	10.659	104	335289	79.202	ug/L #	56
57) 1,1,2,2-Tetrachloroethane	11.213	83	143687	60.738	ug/L	98
59) Bromoform	10.799	173	69084	66.890	ug/L	98
60) Isopropylbenzene	10.963	105	601270	87.513	ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	120407	60.259	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	939963	163.395	ug/L	95
63) 1,2,4-Trimethylbenzene	11.756	105	2626511m	455.751	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	175495	57.247	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	187331	60.694	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	284653	93.912	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	46906	89.101	ug/L	81
69) 1,3,5-Trichlorobenzene	13.115	180	116011	56.371	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	112799	61.547	ug/L	96
71) Naphthalene	13.780	128	1734852	250.398	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	115189	60.860	ug/L	97

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

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