

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011060.D
 Acq On : 24 Jul 2019 16:25
 Operator : JC/SP
 Sample : VX0724WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:55:00 PM

Quant Time: Jul 25 03:42:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	35240	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	194925	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	176084	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	70880	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	11.13	95	86217	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	8.71	98	232852	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	47204	20.261 ug/l	95
3) Chloromethane	1.33	50	38670	18.875 ug/l	100
4) Vinyl Chloride	1.41	62	40527	18.969 ug/l	94
5) Bromomethane	1.64	94	27759	23.603 ug/l	95
6) Chloroethane	1.73	64	24775	19.601 ug/l	95
7) Trichlorofluoromethane	1.93	101	71540	20.163 ug/l	98
8) Diethyl Ether	2.19	74	23610	20.262 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40475	20.639 ug/l	99
10) 1,1-Dichloroethene	2.37	96	38789	19.681 ug/l	99
11) Methyl Iodide	2.51	142	47498	17.947 ug/l	96
12) Methyl Acetate	2.77	43	57008	20.595 ug/l	98
13) Acrolein	2.29	56	29877	90.020 ug/l	100
14) Acrylonitrile	3.14	53	113633	104.889 ug/l	99
15) Acetone	2.44	58	33746	111.862 ug/l	100
16) Carbon Disulfide	2.57	76	81904	16.173 ug/l	99
17) Allyl chloride	2.73	41	54526	19.111 ug/l	98
18) Methylene Chloride	2.85	84	43318	19.739 ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	40107	19.264 ug/l	99
20) Diisopropyl ether	3.85	45	122661	20.364 ug/l	98
21) 1,1-Dichloroethane	3.70	63	69754	20.124 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	47851	19.984 ug/l	97
23) tert-Butyl Alcohol	3.04	59	51439	90.940 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	130288	20.593 ug/l	100
25) Chloroform	5.21	83	75653	19.927 ug/l	99
26) Cyclohexane	5.58	56	58902	18.570 ug/l	# 97
29) 1,1-Dichloropropene	5.80	75	52740	19.239 ug/l	100
30) 2-Butanone	4.67	43	154191	104.205 ug/l	99
31) 2,2-Dichloropropane	4.59	77	55223	23.079 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	66171	20.017 ug/l	99
33) Carbon Tetrachloride	5.79	117	57019	19.838 ug/l	96
34) Benzene	6.15	78	166088	20.198 ug/l	99
35) Methacrylonitrile	5.04	41	31653	20.549 ug/l	93
36) 1,2-Dichloroethane	6.20	62	59330	20.179 ug/l	100
37) Trichloroethene	7.21	130	48664	20.215 ug/l	98
38) Methylcyclohexane	7.46	83	65402	18.905 ug/l	99
39) 1,2-Dichloropropane	7.51	63	42316	20.588 ug/l	99
40) Dibromomethane	7.66	93	31179	20.626 ug/l	98

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Quant Time: Jul 25 03:42:08 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	54442	19.786	ug/l	96
42) Vinyl Acetate	3.81	43	494821	101.500	ug/l	99
43) Ethyl Acetate	4.83	43	57773	20.340	ug/l	98
44) Isopropyl Acetate	6.44	43	91691	19.819	ug/l	99
45) 1,4-Dioxane	7.74	88	25018	415.477	ug/l	97
46) Methyl methacrylate	7.77	41	45480	20.253	ug/l	99
47) n-amyl Acetate	10.90	43	82476	19.878	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	55586	19.169	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	63472	20.058	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	46135	20.853	ug/l	98
51) Ethyl methacrylate	9.18	69	68020	19.879	ug/l	94
52) 1,3-Dichloropropane	9.37	76	72085	20.276	ug/l	98
53) Dibromochloromethane	9.58	129	46298	19.377	ug/l	99
54) 1,2-Dibromoethane	9.67	107	49297	20.504	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	140951	97.277	ug/l	99
56) Bromoform	10.85	173	32820	18.443	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	306812	103.174	ug/l	100
59) 2-Hexanone	9.49	43	236763	104.047	ug/l	100
61) Tetrachloroethene	9.34	164	49483	21.284	ug/l	96
62) Toluene	8.78	91	191240	20.444	ug/l	100
64) Chlorobenzene	10.13	112	121563	20.284	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	44317	20.346	ug/l	98
66) Ethyl Benzene	10.25	91	214485	20.368	ug/l	100
67) m/p-Xylenes	10.36	106	163931	40.688	ug/l	98
68) o-Xylene	10.69	106	80976	20.512	ug/l	100
69) Styrene	10.71	104	134602	20.284	ug/l	100
70) Isopropylbenzene	11.02	105	217733	20.712	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	69872	20.613	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	59106m	20.891	ug/l	
73) Bromobenzene	11.25	156	58601	20.661	ug/l	99
74) n-propylbenzene	11.36	91	243287	20.563	ug/l	99
75) 2-Chlorotoluene	11.42	91	145287	20.618	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	180964	20.337	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	18418	19.730	ug/l	96
78) 4-Chlorotoluene	11.51	91	166647	20.592	ug/l	100
79) tert-butylbenzene	11.77	119	176886	20.495	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	184533	20.594	ug/l	100
81) sec-Butylbenzene	11.94	105	211198	20.759	ug/l	100
82) p-Isopropyltoluene	12.06	119	193429	20.489	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	103881	20.746	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	100231	20.140	ug/l	99
85) n-Butylbenzene	12.38	91	165065	20.533	ug/l	99
86) Hexachloroethane	12.59	117	28191	18.934	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	102092	20.825	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14788	19.817	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	68672	20.309	ug/l	99
90) Hexachlorobutadiene	13.78	225	34833	21.306	ug/l	99
91) Naphthalene	13.83	128	217288	21.060	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	72240	21.315	ug/l	100

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

