

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007438.D
 Acq On : 08 Feb 2019 13:30
 Operator : JC/SP
 Sample : VX0208WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:37:22 AM

Quant Time: Feb 08 23:31:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	82487	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	435457	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	388505	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	158589	29.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.63%
60) 4-Bromofluorobenzene	11.13	95	181732	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	8.71	98	528561	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	63371	17.115	ug/l 99
3) Chloromethane	1.33	50	72100	17.418	ug/l 99
4) Vinyl Chloride	1.41	62	85309	18.161	ug/l 97
5) Bromomethane	1.64	94	75131	15.345	ug/l 95
6) Chloroethane	1.73	64	57627	18.203	ug/l 95
7) Trichlorofluoromethane	1.93	101	144281	18.193	ug/l 99
8) Diethyl Ether	2.19	74	57622	19.222	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	85150	18.179	ug/l 99
10) 1,1-Dichloroethene	2.38	96	78613	18.466	ug/l 98
11) Methyl Iodide	2.51	142	121364	17.571	ug/l 96
12) Methyl Acetate	2.78	43	146302	20.179	ug/l 94
13) Acrolein	2.30	56	37195	70.861	ug/l 95
14) Acrylonitrile	3.15	53	267658	98.604	ug/l 99
15) Acetone	2.45	58	75758	98.188	ug/l 95
16) Carbon Disulfide	2.57	76	172335	16.788	ug/l 99
17) Allyl chloride	2.73	41	137252	18.542	ug/l 98
18) Methylene Chloride	2.86	84	92578	18.867	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	85238	18.490	ug/l 97
20) Diisopropyl ether	3.87	45	266570	19.343	ug/l 94
21) 1,1-Dichloroethane	3.70	63	146477	18.610	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	96491	19.033	ug/l 100
23) tert-Butyl Alcohol	3.07	59	118934	104.260	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	286757	19.230	ug/l 100
25) Chloroform	5.21	83	156526	19.241	ug/l 96
26) Cyclohexane	5.58	56	119747	18.064	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	110197	19.413	ug/l 99
30) 2-Butanone	4.70	43	346828	102.252	ug/l # 98
31) 2,2-Dichloropropane	4.59	77	111273	19.402	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	131285	19.569	ug/l 100
33) Carbon Tetrachloride	5.79	117	112010	18.993	ug/l 96
34) Benzene	6.14	78	342766	19.576	ug/l 97
35) Methacrylonitrile	5.06	41	69625	20.109	ug/l 97
36) 1,2-Dichloroethane	6.20	62	120217	19.897	ug/l 99
37) Trichloroethene	7.21	130	98387	19.057	ug/l 95
38) Methylcyclohexane	7.46	83	128938	17.922	ug/l 99
39) 1,2-Dichloropropane	7.52	63	87315	19.884	ug/l 99
40) Dibromomethane	7.66	93	61840	19.550	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	105386	18.984	ug/l	93
42) Vinyl Acetate	3.82	43	1105787	96.153	ug/l	99
43) Ethyl Acetate	4.86	43	124883	19.732	ug/l	98
44) Isopropyl Acetate	6.46	43	191264	19.349	ug/l	98
45) 1,4-Dioxane	7.75	88	50256	419.549	ug/l	98
46) Methyl methacrylate	7.77	41	99775	19.740	ug/l	98
47) n-amyl Acetate	10.90	43	165735	19.068	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	111072	18.345	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	129303	19.224	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	97666	20.572	ug/l	96
51) Ethyl methacrylate	9.18	69	134503	19.828	ug/l	94
52) 1,3-Dichloropropane	9.37	76	151280	19.900	ug/l	99
53) Dibromochloromethane	9.58	129	91581	19.086	ug/l	98
54) 1,2-Dibromoethane	9.67	107	101545	19.869	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	380974	102.090	ug/l	100
56) Bromoform	10.85	173	66998	18.388	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	675070	103.913	ug/l	99
59) 2-Hexanone	9.49	43	521131	103.661	ug/l	99
61) Tetrachloroethene	9.34	164	105649	19.510	ug/l	99
62) Toluene	8.79	91	391666	20.028	ug/l	100
64) Chlorobenzene	10.14	112	255211	19.783	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	90906	19.894	ug/l	99
66) Ethyl Benzene	10.25	91	416995	19.681	ug/l	97
67) m/p-Xylenes	10.36	106	330450	39.493	ug/l	99
68) o-Xylene	10.69	106	161568	19.712	ug/l	99
69) Styrene	10.71	104	261855	19.802	ug/l	98
70) Isopropylbenzene	11.02	105	436522	20.117	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	141467	20.362	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	136697m	20.927	ug/l	
73) Bromobenzene	11.26	156	119129	19.835	ug/l	99
74) n-propylbenzene	11.36	91	484904	19.856	ug/l	98
75) 2-Chlorotoluene	11.42	91	287232	19.833	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	355654	19.638	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	35472	18.691	ug/l	94
78) 4-Chlorotoluene	11.51	91	321101	19.043	ug/l	98
79) tert-butylbenzene	12.06	119	380560	19.421	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	361622	19.720	ug/l	99
81) sec-Butylbenzene	11.94	105	423677	19.401	ug/l	99
82) p-Isopropyltoluene	12.06	119	380560	19.421	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	207052	19.393	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	207370	19.414	ug/l	99
85) n-Butylbenzene	12.39	91	307236	18.269	ug/l	99
86) Hexachloroethane	12.60	117	57117	18.853	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	210714	19.821	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	28457	20.096	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	135939	18.627	ug/l	99
90) Hexachlorobutadiene	13.78	225	66918	19.225	ug/l	98
91) Naphthalene	13.83	128	434249	19.657	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	137775	19.039	ug/l	98

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

