

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003897.D
 Acq On : 07 Aug 2018 23:38
 Operator : JC/MD
 Sample : VX0807WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:02:32 PM

Quant Time: Aug 08 04:31:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	70121	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	372499	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	346346	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	144197	28.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.37%
60) 4-Bromofluorobenzene	11.14	95	163998	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	8.72	98	463441	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	94715	25.57	ug/l	100
3) Chloromethane	1.32	50	96285	19.32	ug/l	97
4) Vinyl Chloride	1.40	62	99356	18.95	ug/l	99
5) Bromomethane	1.64	94	58611	18.70	ug/l	99
6) Chloroethane	1.72	64	64002	18.65	ug/l	98
7) Trichlorofluoromethane	1.93	101	127977	18.15	ug/l	99
8) Diethyl Ether	2.19	74	55223	18.27	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	76563	17.91	ug/l	94
10) 1,1-Dichloroethene	2.37	96	71595	17.81	ug/l	94
11) Methyl Iodide	2.51	142	91171	16.36	ug/l	94
12) Methyl Acetate	2.78	43	155092	20.85	ug/l	95
13) Acrolein	2.29	56	75427	130.01	ug/l	97
14) Acrylonitrile	3.15	53	258164	88.08	ug/l	99
15) Acetone	2.45	58	69882	87.86	ug/l	80
16) Carbon Disulfide	2.57	76	195313	17.49	ug/l	100
17) Allyl chloride	2.73	41	136847	16.45	ug/l	93
18) Methylene Chloride	2.86	84	87297	18.33	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	77475	17.83	ug/l	99
20) Diisopropyl ether	3.87	45	246889	16.16	ug/l	98
21) 1,1-Dichloroethane	3.70	63	152528	17.63	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	86098	19.62	ug/l #	70
23) tert-Butyl Alcohol	3.07	59	110438	89.70	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	254179	17.63	ug/l #	90
25) Chloroform	5.21	83	144199	19.25	ug/l	99
26) Cyclohexane	5.57	56	121348	18.67	ug/l #	92
29) 1,1-Dichloropropene	5.80	75	105885	19.25	ug/l	99
30) 2-Butanone	4.71	43	323277	92.03	ug/l	92
31) 2,2-Dichloropropane	4.58	77	77778	14.60	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	119682	19.02	ug/l	99
33) Carbon Tetrachloride	5.78	117	103350	18.90	ug/l	97
34) Benzene	6.15	78	331079	19.59	ug/l	96
35) Methacrylonitrile	5.07	41	66545	18.23	ug/l	90
36) 1,2-Dichloroethane	6.20	62	114186	18.80	ug/l #	94
37) Trichloroethene	7.21	130	85489	19.41	ug/l	96
38) Methylcyclohexane	7.46	83	116992	18.72	ug/l	96
39) 1,2-Dichloropropane	7.52	63	83913	18.79	ug/l	95
40) Dibromomethane	7.67	93	54491	18.85	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	100610	18.22	ug/l	98
42) Vinyl Acetate	3.82	43	989659	73.32	ug/l	96
43) Ethyl Acetate	4.87	43	116576	17.77	ug/l	96
44) Isopropyl Acetate	6.47	43	176899	17.58	ug/l	93
45) 1,4-Dioxane	7.76	88	44184	395.32	ug/l #	83
46) Methyl methacrylate	7.78	41	92503	17.82	ug/l	89
47) n-amyl Acetate	10.90	43	147758	15.55	ug/l #	88
48) t-1,3-Dichloropropene	8.44	75	117382	17.52	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	105594	16.80	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	85385	18.61	ug/l	98
51) Ethyl methacrylate	9.18	69	116374	16.85	ug/l	81
52) 1,3-Dichloropropane	9.37	76	143921	18.85	ug/l	99
53) Dibromochloromethane	9.59	129	79411	17.62	ug/l	100
54) 1,2-Dibromoethane	9.68	107	87957	18.33	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	321666	90.27	ug/l	98
56) Bromoform	10.86	173	60039	17.17	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	622307	95.16	ug/l	91
59) 2-Hexanone	9.50	43	475661	91.35	ug/l	90
61) Tetrachloroethene	9.34	164	84354	20.93	ug/l	98
62) Toluene	8.79	91	357178	19.87	ug/l	100
64) Chlorobenzene	10.14	112	229285	19.74	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	81622	19.86	ug/l	98
66) Ethyl Benzene	10.26	91	377796	19.10	ug/l	99
67) m/p-Xylenes	10.36	106	302341	39.68	ug/l	96
68) o-Xylene	10.70	106	144167	19.78	ug/l	94
69) Styrene	10.71	104	236321	19.15	ug/l	96
70) Isopropylbenzene	11.02	105	389802	19.42	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	133916	18.69	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	115950m	19.46	ug/l	
73) Bromobenzene	11.26	156	102511	18.95	ug/l	98
74) n-propylbenzene	11.36	91	440659	18.64	ug/l	99
75) 2-Chlorotoluene	11.42	91	267695	19.21	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	315640	18.54	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	31610	15.57	ug/l	96
78) 4-Chlorotoluene	11.51	91	307089	18.84	ug/l	99
79) tert-butylbenzene	12.07	119	310226	17.71	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	324896	18.64	ug/l	96
81) sec-Butylbenzene	11.95	105	362374	18.27	ug/l	99
82) p-Isopropyltoluene	12.07	119	310226	17.71	ug/l	97
83) 1,3-Dichlorobenzene	12.03	146	173652	17.58	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	174172	17.51	ug/l	99
85) n-Butylbenzene	12.39	91	243520	15.66	ug/l	99
86) Hexachloroethane	12.60	117	43851	15.53	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	173524	17.50	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	23551	15.57	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	128215	18.42	ug/l	99
90) Hexachlorobutadiene	13.79	225	58695	18.60	ug/l	98
91) Naphthalene	13.83	128	401509	18.87	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	135089	19.05	ug/l	99

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

