

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003213.D
 Acq On : 06 Jul 2018 13:51
 Operator : JC/MD
 Sample : VX0706WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBS03

Quant Time: Jul 06 14:14:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	49863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	264735	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	240324	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	106276	27.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.03%
60) 4-Bromofluorobenzene	11.14	95	118029	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	8.72	98	315478	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	41826	17.574	ug/l 100
3) Chloromethane	1.32	50	40840	15.807	ug/l 98
4) Vinyl Chloride	1.40	62	47239	16.410	ug/l 100
5) Bromomethane	1.64	94	18297	10.879	ug/l 96
6) Chloroethane	1.72	64	30541	15.775	ug/l 99
7) Trichlorofluoromethane	1.93	101	81803	15.987	ug/l 100
8) Diethyl Ether	2.19	74	31712	17.382	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48941	16.711	ug/l 96
10) 1,1-Dichloroethene	2.37	96	42557	16.509	ug/l 93
11) Methyl Iodide	2.51	142	34239	11.533	ug/l 97
12) Methyl Acetate	2.78	43	91646	21.907	ug/l 97
13) Acrolein	2.30	56	7817	26.281	ug/l 99
14) Acrylonitrile	3.15	53	148771	94.554	ug/l 99
15) Acetone	2.45	58	43277	98.958	ug/l 92
16) Carbon Disulfide	2.57	76	92542	14.338	ug/l 97
17) Allyl chloride	2.73	41	82997	16.179	ug/l 97
18) Methylene Chloride	2.86	84	65417	22.171	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	45417	16.431	ug/l 96
20) Diisopropyl ether	3.87	45	173356	18.136	ug/l 95
21) 1,1-Dichloroethane	3.70	63	90785	17.663	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	59643	20.074	ug/l 80
23) tert-Butyl Alcohol	3.07	59	69629	97.472	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	162272	16.860	ug/l 96
25) Chloroform	5.21	83	100650	19.513	ug/l 97
26) Cyclohexane	5.58	56	74402	17.039	ug/l # 94
29) 1,1-Dichloropropene	5.81	75	66562	18.618	ug/l 98
30) 2-Butanone	4.71	43	234560	114.659	ug/l 96
31) 2,2-Dichloropropane	4.59	77	79543	20.818	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	84656	19.602	ug/l 99
33) Carbon Tetrachloride	5.79	117	75563	19.466	ug/l 97
34) Benzene	6.15	78	207930	19.639	ug/l 98
35) Methacrylonitrile	5.07	41	48491	21.771	ug/l 96
36) 1,2-Dichloroethane	6.21	62	81433	19.590	ug/l 98
37) Trichloroethene	7.21	130	61280	19.762	ug/l 88
38) Methylcyclohexane	7.46	83	72684	16.711	ug/l 98
39) 1,2-Dichloropropane	7.52	63	54021	19.560	ug/l 98
40) Dibromomethane	7.67	93	37681	19.638	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	69590	19.307	ug/l	97
42) Vinyl Acetate	3.83	43	696092	89.720	ug/l	100
43) Ethyl Acetate	4.87	43	81429	20.812	ug/l	97
44) Isopropyl Acetate	6.48	43	128980	19.675	ug/l	98
45) 1,4-Dioxane	7.76	88	29063	452.534	ug/l #	83
46) Methyl methacrylate	7.78	41	65570	19.575	ug/l	94
47) n-amyl Acetate	10.90	43	107890	17.441	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	79997	18.905	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	72558	18.359	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	58168	20.552	ug/l	97
51) Ethyl methacrylate	9.18	69	80982	18.955	ug/l	91
52) 1,3-Dichloropropane	9.38	76	92762	20.066	ug/l	100
53) Dibromochloromethane	9.59	129	57326	19.079	ug/l	98
54) 1,2-Dibromoethane	9.68	107	59866	20.072	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	198653	97.897	ug/l	98
56) Bromoform	10.86	173	46547	19.406	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	442697	108.496	ug/l	96
59) 2-Hexanone	9.50	43	340458	109.150	ug/l	98
61) Tetrachloroethene	9.34	164	68922	20.897	ug/l	99
62) Toluene	8.79	91	231554	19.989	ug/l	99
64) Chlorobenzene	10.14	112	155633	20.221	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	58057	20.579	ug/l	99
66) Ethyl Benzene	10.26	91	250439	19.196	ug/l	98
67) m/p-Xylenes	10.36	106	194365	38.337	ug/l	98
68) o-Xylene	10.70	106	96042	19.444	ug/l	97
69) Styrene	10.71	104	159979	19.413	ug/l	98
70) Isopropylbenzene	11.02	105	266087	19.536	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	86184	21.167	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	98420	27.884	ug/l	94
73) Bromobenzene	11.26	156	75666	19.976	ug/l	91
74) n-propylbenzene	11.36	91	291465	18.434	ug/l	98
75) 2-Chlorotoluene	11.42	91	178744	19.426	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	216170	18.692	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	21052	18.544	ug/l	90
78) 4-Chlorotoluene	11.51	91	204279	18.740	ug/l	98
79) tert-butylbenzene	12.07	119	227717	17.853	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	219035	18.547	ug/l	97
81) sec-Butylbenzene	11.95	105	255070	18.030	ug/l	99
82) p-Isopropyltoluene	12.07	119	227717	17.853	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	134303	19.268	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	134617	19.121	ug/l	99
85) n-Butylbenzene	12.39	91	179742	15.897	ug/l	99
86) Hexachloroethane	12.60	117	32393	16.755	ug/l	93
87) 1,2-Dichlorobenzene	12.40	146	137512	19.535	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	18315	20.136	ug/l	91
89) 1,2,4-Trichlorobenzene	13.65	180	94823	17.846	ug/l	99
90) Hexachlorobutadiene	13.79	225	47446	17.153	ug/l	99
91) Naphthalene	13.84	128	271379	19.269	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	98451	18.624	ug/l	100

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

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