

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002978.D
 Acq On : 28 Jun 2018 11:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Jun 29 05:32:26 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	48279	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	263202	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	246130	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	110605	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.14	95	124652	30.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.20%
63) Toluene-d8	8.72	98	320232	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	47913	20.79	ug/l	99
3) Chloromethane	1.32	50	48409	19.35	ug/l	99
4) Vinyl Chloride	1.40	62	53928	19.35	ug/l #	59
5) Bromomethane	1.64	94	17542	10.77	ug/l	98
6) Chloroethane	1.72	64	40930	21.83	ug/l	97
7) Trichlorofluoromethane	1.93	101	96769	19.53	ug/l	100
8) Diethyl Ether	2.19	74	35423	20.05	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57229	20.18	ug/l	100
10) 1,1-Dichloroethene	2.37	96	48885	19.59	ug/l	95
11) Methyl Iodide	2.51	142	30153	10.49	ug/l	99
12) Methyl Acetate	2.78	43	87275	21.55	ug/l	100
13) Acrolein	2.29	56	15047	52.25	ug/l	98
14) Acrylonitrile	3.15	53	149788	98.32	ug/l	99
15) Acetone	2.45	58	48973	115.66	ug/l	94
16) Carbon Disulfide	2.57	76	132196	21.15	ug/l	99
17) Allyl chloride	2.73	41	99291	19.99	ug/l	98
18) Methylene Chloride	2.86	84	55074	19.28	ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	51889	19.39	ug/l	99
20) Diisopropyl ether	3.87	45	190368	20.57	ug/l	96
21) 1,1-Dichloroethane	3.70	63	102855	20.67	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	60540	21.04	ug/l	83
23) tert-Butyl Alcohol	3.07	59	69507	100.49	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	179270	19.24	ug/l	98
25) Chloroform	5.21	83	105449	21.11	ug/l	100
26) Cyclohexane	5.57	56	85110	20.13	ug/l #	96
29) 1,1-Dichloropropene	5.80	75	74676	21.01	ug/l	98
30) 2-Butanone	4.71	43	228523	112.36	ug/l	98
31) 2,2-Dichloropropane	4.59	77	86451	22.76	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	94154	21.93	ug/l	98
33) Carbon Tetrachloride	5.79	117	83676	21.68	ug/l	99
34) Benzene	6.15	78	218931	20.80	ug/l	99
35) Methacrylonitrile	5.06	41	47309	21.36	ug/l	94
36) 1,2-Dichloroethane	6.20	62	87024	21.06	ug/l	98
37) Trichloroethene	7.21	130	65923	21.38	ug/l	86
38) Methylcyclohexane	7.46	83	87365	20.20	ug/l	99
39) 1,2-Dichloropropane	7.52	63	59031	21.50	ug/l	96
40) Dibromomethane	7.66	93	40865	21.42	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	77889	21.74	ug/l	98
42) Vinyl Acetate	3.82	43	802449	104.03	ug/l	100
43) Ethyl Acetate	4.86	43	83114	21.37	ug/l	99
44) Isopropyl Acetate	6.46	43	134257	20.60	ug/l	100
45) 1,4-Dioxane	7.76	88	26585	416.36	ug/l #	88
46) Methyl methacrylate	7.78	41	70277	21.10	ug/l	98
47) n-amyl Acetate	10.90	43	118560	19.28	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	86049	20.45	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	80187	20.41	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	58867	20.92	ug/l	96
51) Ethyl methacrylate	9.18	69	86094	20.27	ug/l	94
52) 1,3-Dichloropropane	9.37	76	97288	21.17	ug/l	99
53) Dibromochloromethane	9.59	129	62621	20.96	ug/l	99
54) 1,2-Dibromoethane	9.68	107	62415	21.05	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	64915	32.18	ug/l	99
56) Bromoform	10.86	173	49127	20.60	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	440115	105.32	ug/l	97
59) 2-Hexanone	9.50	43	344078	107.71	ug/l	100
61) Tetrachloroethene	9.34	164	69579	20.60	ug/l	98
62) Toluene	8.79	91	248431	20.94	ug/l	98
64) Chlorobenzene	10.14	112	165098	20.94	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	62980	21.80	ug/l	99
66) Ethyl Benzene	10.26	91	277791	20.79	ug/l	99
67) m/p-Xylenes	10.36	106	216211	41.64	ug/l	99
68) o-Xylene	10.70	106	102571	20.28	ug/l	100
69) Styrene	10.71	104	173384	20.54	ug/l	98
70) Isopropylbenzene	11.02	105	291752	20.91	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	90258	21.64	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	96474	26.69	ug/l	94
73) Bromobenzene	11.26	156	79290	20.44	ug/l	94
74) n-propylbenzene	11.36	91	333596	20.60	ug/l	99
75) 2-Chlorotoluene	11.42	91	197636	20.97	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	245340	20.71	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	19987	17.19	ug/l	85
78) 4-Chlorotoluene	11.51	91	231673	20.75	ug/l	99
79) tert-butylbenzene	12.07	119	263624	20.18	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	251033	20.76	ug/l	99
81) sec-Butylbenzene	11.95	105	295317	20.38	ug/l	99
82) p-Isopropyltoluene	12.07	119	263624	20.18	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	146091	20.46	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	149004	20.67	ug/l	99
85) n-Butylbenzene	12.39	91	229157	19.79	ug/l	98
86) Hexachloroethane	12.60	117	35154	17.75	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	148223	20.56	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19609	21.05	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	109019	20.03	ug/l	98
90) Hexachlorobutadiene	13.79	225	56928	20.10	ug/l	99
91) Naphthalene	13.84	128	296429	20.55	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	111398	20.58	ug/l	99

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

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