

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003825.D
 Acq On : 02 Aug 2018 15:11
 Operator : JC/MD
 Sample : VX0802WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:48:24 AM

Quant Time: Aug 03 03:40:52 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	5.03	128	22671	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	120363	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	110678	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46214	27.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.57%
60) 4-Bromofluorobenzene	11.14	95	52921	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	8.72	98	151660	30.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	31034	25.92	ug/l	99
3) Chloromethane	1.32	50	37416	23.22	ug/l	100
4) Vinyl Chloride	1.40	62	32226	19.01	ug/l	99
5) Bromomethane	1.64	94	18081	17.85	ug/l	100
6) Chloroethane	1.72	64	18901	17.04	ug/l	94
7) Trichlorofluoromethane	1.93	101	42222	18.52	ug/l	100
8) Diethyl Ether	2.19	74	16645	17.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24891	18.01	ug/l	98
10) 1,1-Dichloroethene	2.37	96	23765	18.28	ug/l	91
11) Methyl Iodide	2.51	142	27376	15.19	ug/l	91
12) Methyl Acetate	2.78	43	48349	20.10	ug/l	94
13) Acrolein	2.29	56	25210	134.40	ug/l	98
14) Acrylonitrile	3.15	53	78400	82.73	ug/l	99
15) Acetone	2.45	58	21857	85.00	ug/l	76
16) Carbon Disulfide	2.57	76	64849	17.97	ug/l	99
17) Allyl chloride	2.73	41	45055	16.75	ug/l	92
18) Methylene Chloride	2.86	84	27344	17.76	ug/l	96
19) trans-1,2-Dichloroethene	3.17	96	25047	17.83	ug/l	96
20) Diisopropyl ether	3.87	45	82883	16.78	ug/l	99
21) 1,1-Dichloroethane	3.70	63	48187	17.23	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	27504	19.39	ug/l #	74
23) tert-Butyl Alcohol	3.07	59	33818	84.96	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	78813	16.91	ug/l	92
25) Chloroform	5.22	83	46580	19.23	ug/l	99
26) Cyclohexane	5.57	56	40051	19.06	ug/l #	97
29) 1,1-Dichloropropene	5.79	75	34340	19.32	ug/l	99
30) 2-Butanone	4.71	43	105473	92.92	ug/l	95
31) 2,2-Dichloropropane	4.59	77	33149	19.25	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	39845	19.59	ug/l	97
33) Carbon Tetrachloride	5.78	117	34315	19.42	ug/l	97
34) Benzene	6.15	78	105580	19.33	ug/l	98
35) Methacrylonitrile	5.07	41	22504	19.08	ug/l	93
36) 1,2-Dichloroethane	6.20	62	36579	18.64	ug/l	96
37) Trichloroethene	7.21	130	27621	19.41	ug/l	92
38) Methylcyclohexane	7.46	83	37507	18.57	ug/l	99
39) 1,2-Dichloropropane	7.52	63	27842	19.29	ug/l	95
40) Dibromomethane	7.67	93	17764	19.02	ug/l	97

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

41) Bromodichloromethane	7.90	83	33451	18.75	ug/l	99
42) Vinyl Acetate	3.82	43	341484	78.30	ug/l	98
43) Ethyl Acetate	4.87	43	39481	18.62	ug/l	96
44) Isopropyl Acetate	6.47	43	60060	18.47	ug/l	96
45) 1,4-Dioxane	7.76	88	13066	361.79	ug/l #	85
46) Methyl methacrylate	7.78	41	30878	18.40	ug/l	89
47) n-amyl Acetate	10.90	43	52523	17.11	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	40051	18.50	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	36745	18.09	ug/l	92
50) 1,1,2-Trichloroethane	9.22	97	27677	18.67	ug/l	98
51) Ethyl methacrylate	9.18	69	38434	17.22	ug/l	85
52) 1,3-Dichloropropane	9.38	76	45299	18.36	ug/l	99
53) Dibromochloromethane	9.59	129	26852	18.44	ug/l	99
54) 1,2-Dibromoethane	9.68	107	28490	18.38	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	103964	90.30	ug/l	99
56) Bromoform	10.86	173	20777	18.39	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	206243	98.69	ug/l	93
59) 2-Hexanone	9.50	43	157327	94.55	ug/l	94
61) Tetrachloroethene	9.34	164	26412	20.51	ug/l	98
62) Toluene	8.79	91	116479	20.28	ug/l	99
64) Chlorobenzene	10.14	112	72803	19.61	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	26523	20.19	ug/l	99
66) Ethyl Benzene	10.26	91	122707	19.41	ug/l	100
67) m/p-Xylenes	10.36	106	96336	39.57	ug/l	98
68) o-Xylene	10.70	106	45834	19.68	ug/l	97
69) Styrene	10.71	104	76027	19.28	ug/l	97
70) Isopropylbenzene	11.02	105	123471	19.25	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	43719	19.10	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	37717m	19.80	ug/l	
73) Bromobenzene	11.26	156	33445	19.35	ug/l	98
74) n-propylbenzene	11.36	91	143925	19.05	ug/l	100
75) 2-Chlorotoluene	11.42	91	86134	19.35	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	105527	19.39	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	11777	18.15	ug/l	98
78) 4-Chlorotoluene	11.51	91	100359	19.27	ug/l	99
79) tert-butylbenzene	12.07	119	108584	19.39	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	107517	19.31	ug/l	98
81) sec-Butylbenzene	11.95	105	122408	19.32	ug/l	99
82) p-Isopropyltoluene	12.07	119	108584	19.39	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	62036	19.65	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	61994	19.51	ug/l	99
85) n-Butylbenzene	12.39	91	91892	18.49	ug/l	99
86) Hexachloroethane	12.60	117	16500	18.29	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	62236	19.64	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	9076	18.78	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	43516	19.56	ug/l	100
90) Hexachlorobutadiene	13.79	225	20826	20.65	ug/l	99
91) Naphthalene	13.83	128	132387	19.47	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	45057	19.89	ug/l	99

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

