

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002833.D
 Acq On : 22 Jun 2018 14:15
 Operator : JC/MD
 Sample : VX0622WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0622WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 6:56:05 PM

Quant Time: Jun 23 00:18:00 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	5.03	128	45333	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	241482	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	224722	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	105313	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.14	95	110770	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	8.72	98	301333	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	45579	21.07	ug/l	100
3) Chloromethane	1.32	50	46852	19.95	ug/l	100
4) Vinyl Chloride	1.40	62	52175	19.94	ug/l	99
5) Bromomethane	1.64	94	23487	15.36	ug/l	97
6) Chloroethane	1.73	64	33611	19.10	ug/l	93
7) Trichlorofluoromethane	1.93	101	88423	19.01	ug/l	97
8) Diethyl Ether	2.19	74	33109	19.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50872	19.11	ug/l	100
10) 1,1-Dichloroethene	2.37	96	44580	19.02	ug/l	94
11) Methyl Iodide	2.51	142	47998	17.78	ug/l	99
12) Methyl Acetate	2.78	43	83929	22.07	ug/l	97
13) Acrolein	2.29	56	21154	78.23	ug/l	100
14) Acrylonitrile	3.15	53	149438	104.47	ug/l	99
15) Acetone	2.45	58	41386	104.09	ug/l	93
16) Carbon Disulfide	2.57	76	108913	18.56	ug/l	100
17) Allyl chloride	2.73	41	88842	19.05	ug/l	97
18) Methylene Chloride	2.86	84	53448	19.92	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	47730	18.99	ug/l	100
20) Diisopropyl ether	3.88	45	169913	19.55	ug/l	96
21) 1,1-Dichloroethane	3.70	63	94212	20.16	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	54043	20.01	ug/l	94
23) tert-Butyl Alcohol	3.07	59	66693	102.69	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	170121	19.44	ug/l	99
25) Chloroform	5.22	83	97731	20.84	ug/l	99
26) Cyclohexane	5.58	56	75577	19.04	ug/l	# 94
29) 1,1-Dichloropropene	5.81	75	64525	19.79	ug/l	96
30) 2-Butanone	4.71	43	208794	111.89	ug/l	98
31) 2,2-Dichloropropane	4.59	77	69356	19.90	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	80443	20.42	ug/l	99
33) Carbon Tetrachloride	5.79	117	72215	20.39	ug/l	98
34) Benzene	6.15	78	200407	20.75	ug/l	99
35) Methacrylonitrile	5.07	41	44854	22.08	ug/l	96
36) 1,2-Dichloroethane	6.20	62	80790	21.31	ug/l	99
37) Trichloroethene	7.21	130	58851	20.81	ug/l	93
38) Methylcyclohexane	7.46	83	75545	19.04	ug/l	98
39) 1,2-Dichloropropane	7.52	63	52500	20.84	ug/l	95
40) Dibromomethane	7.67	93	37511	21.43	ug/l	96

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Quant Time: Jun 23 00:18:00 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	66791	20.32	ug/l	98
42) Vinyl Acetate	3.83	43	728113	102.88	ug/l	100
43) Ethyl Acetate	4.87	43	80242	22.48	ug/l	99
44) Isopropyl Acetate	6.47	43	126345	21.13	ug/l	100
45) 1,4-Dioxane	7.76	88	25849	441.25	ug/l #	88
46) Methyl methacrylate	7.78	41	66153	21.65	ug/l	98
47) n-amyl Acetate	10.90	43	110369	19.56	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	76245	19.75	ug/l	97
49) cis-1,3-Dichloropropene	9.04	75	69515	19.28	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	54857	21.25	ug/l	97
51) Ethyl methacrylate	9.18	69	80004	20.53	ug/l	97
52) 1,3-Dichloropropane	9.37	76	89539	21.23	ug/l	99
53) Dibromochloromethane	9.59	129	54208	19.78	ug/l	99
54) 1,2-Dibromoethane	9.68	107	57322	21.07	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	169620	91.64	ug/l	99
56) Bromoform	10.86	173	40928	18.71	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	426301	111.73	ug/l	98
59) 2-Hexanone	9.50	43	326038	111.78	ug/l	99
61) Tetrachloroethene	9.34	164	67982	22.04	ug/l	96
62) Toluene	8.79	91	224633	20.74	ug/l	98
64) Chlorobenzene	10.14	112	148916	20.69	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	54522	20.67	ug/l	98
66) Ethyl Benzene	10.26	91	246420	20.20	ug/l	100
67) m/p-Xylenes	10.36	106	191417	40.38	ug/l	99
68) o-Xylene	10.70	106	92787	20.09	ug/l	99
69) Styrene	10.71	104	153613	19.93	ug/l	99
70) Isopropylbenzene	11.02	105	256201	20.12	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	79850	20.97	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	80678m	24.44	ug/l	
73) Bromobenzene	11.26	156	71135	20.08	ug/l	94
74) n-propylbenzene	11.37	91	291951	19.75	ug/l	99
75) 2-Chlorotoluene	11.43	91	176036	20.46	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	214299	19.82	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	19161	18.05	ug/l	79
78) 4-Chlorotoluene	11.51	91	204470	20.06	ug/l	100
79) tert-butylbenzene	12.07	119	227094	19.04	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	221169	20.03	ug/l	99
81) sec-Butylbenzene	11.95	105	254875	19.27	ug/l	99
82) p-Isopropyltoluene	12.07	119	227094	19.04	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	127980	19.64	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	130169	19.77	ug/l	99
85) n-Butylbenzene	12.39	91	191744	18.14	ug/l	99
86) Hexachloroethane	12.60	117	31523	17.44	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	129780	19.72	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	16801	19.75	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	92710	18.66	ug/l	100
90) Hexachlorobutadiene	13.79	225	47513	18.37	ug/l	99
91) Naphthalene	13.84	128	265661	20.17	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	96816	19.59	ug/l	99

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

