

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX017000.D
 Acq On : 26 Jun 2020 23:40
 Operator : JC/SP
 Sample : VX0626WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0626WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:53 PM

Quant Time: Jun 27 02:57:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	56582	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	307623	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	286508	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	130315	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	11.12	95	146979	30.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.53%
63) Toluene-d8	8.70	98	376593	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	59117	21.486	ug/l 98
3) Chloromethane	1.31	50	69005	18.494	ug/l 97
4) Vinyl Chloride	1.39	62	66472	17.469	ug/l 96
5) Bromomethane	1.63	94	41191	15.035	ug/l 100
6) Chloroethane	1.72	64	40858	16.649	ug/l 98
7) Trichlorofluoromethane	1.92	101	97732	15.793	ug/l 99
8) Diethyl Ether	2.17	74	36881	16.379	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	60879	18.537	ug/l 95
10) 1,1-Dichloroethene	2.36	96	61815	19.084	ug/l 92
11) Methyl Iodide	2.49	142	72376	16.734	ug/l 99
12) Methyl Acetate	2.75	43	77905	19.067	ug/l 94
13) Acrolein	2.27	56	52027	80.697	ug/l 98
14) Acrylonitrile	3.12	53	183518	94.832	ug/l 99
15) Acetone	2.42	58	47597	95.041	ug/l 91
16) Carbon Disulfide	2.55	76	175786	17.263	ug/l 99
17) Allyl chloride	2.71	41	111534	18.394	ug/l 95
18) Methylene Chloride	2.84	84	69985	17.938	ug/l 94
19) trans-1,2-Dichloroethene	3.14	96	66880	18.223	ug/l 97
20) Diisopropyl ether	3.82	45	226312	18.675	ug/l 96
21) 1,1-Dichloroethane	3.67	63	120828	18.082	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	78326	19.169	ug/l 93
23) tert-Butyl Alcohol	3.01	59	78225	91.254	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	210019	18.158	ug/l 97
25) Chloroform	5.18	83	123208	18.186	ug/l 99
26) Cyclohexane	5.55	56	102779	17.632	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	91242	18.207	ug/l 97
30) 2-Butanone	4.64	43	253162	96.919	ug/l 100
31) 2,2-Dichloropropane	4.55	77	88023	15.316	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	113544	18.725	ug/l 96
33) Carbon Tetrachloride	5.76	117	97822	18.191	ug/l 96
34) Benzene	6.11	78	269533	18.472	ug/l 99
35) Methacrylonitrile	5.00	41	54991	19.076	ug/l 97
36) 1,2-Dichloroethane	6.17	62	99904	17.877	ug/l 99
37) Trichloroethene	7.19	130	83424	20.952	ug/l 91
38) Methylcyclohexane	7.44	83	98555	17.269	ug/l 98
39) 1,2-Dichloropropane	7.49	63	69597	18.308	ug/l 96
40) Dibromomethane	7.64	93	48156	18.380	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	98269	18.113	ug/l	90
42) Vinyl Acetate	3.79	43	963912	91.572	ug/l	100
43) Ethyl Acetate	4.79	43	102583	18.959	ug/l	98
44) Isopropyl Acetate	6.41	43	161247	18.080	ug/l	99
45) 1,4-Dioxane	7.71	88	35495	394.507	ug/l	97
46) Methyl methacrylate	7.74	41	77368	18.746	ug/l	93
47) n-amyl Acetate	10.88	43	137435	17.434	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	103851	17.312	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	112445	17.836	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	69470	18.999	ug/l	99
51) Ethyl methacrylate	9.16	69	99049	17.651	ug/l	97
52) 1,3-Dichloropropane	9.35	76	117136	18.659	ug/l	97
53) Dibromochloromethane	9.57	129	77943	18.546	ug/l	99
54) 1,2-Dibromoethane	9.65	107	73993	19.070	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	290022	98.212	ug/l	99
56) Bromoform	10.84	173	56449	18.921	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	501981	95.116	ug/l	99
59) 2-Hexanone	9.47	43	371948	94.434	ug/l	98
61) Tetrachloroethene	9.32	164	67761	18.545	ug/l	98
62) Toluene	8.76	91	290093	18.512	ug/l	99
64) Chlorobenzene	10.12	112	181261	18.463	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	69130	18.704	ug/l	98
66) Ethyl Benzene	10.23	91	315019	18.128	ug/l	100
67) m/p-Xylenes	10.34	106	242913	37.055	ug/l	97
68) o-Xylene	10.68	106	112960	17.938	ug/l	100
69) Styrene	10.70	104	198501	18.410	ug/l	97
70) Isopropylbenzene	11.00	105	310308	18.168	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	99719	19.011	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	97480m	19.352	ug/l	
73) Bromobenzene	11.24	156	79624	18.472	ug/l	96
74) n-propylbenzene	11.34	91	362604	17.880	ug/l	100
75) 2-Chlorotoluene	11.40	91	218063	18.440	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	262654	18.321	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	32657	15.997	ug/l	95
78) 4-Chlorotoluene	11.49	91	256916	18.349	ug/l	99
79) tert-butylbenzene	11.76	119	251391	18.305	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	262246	18.221	ug/l	99
81) sec-Butylbenzene	11.93	105	294973	17.740	ug/l	100
82) p-Isopropyltoluene	12.05	119	271972	18.115	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	144139	18.660	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	146245	18.843	ug/l	98
85) n-Butylbenzene	12.37	91	237124	17.063	ug/l	99
86) Hexachloroethane	12.58	117	54391	18.512	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	138886	19.209	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	23126	19.378	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	88916	18.228	ug/l	98
90) Hexachlorobutadiene	13.77	225	34323	18.497	ug/l	97
91) Naphthalene	13.82	128	298794	18.687	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	89577	18.817	ug/l	99

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

