

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070820\
 Data File : VX017276.D
 Acq On : 08 Jul 2020 23:24
 Operator : JC/SP
 Sample : VX0708WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0708WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:59:59 AM

Quant Time: Jul 09 05:27:28 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	50979	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	266981	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	256029	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	112872	28.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.83%
60) 4-Bromofluorobenzene	11.12	95	126950	29.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.10%
63) Toluene-d8	8.70	98	327770	29.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	45115	18.199	ug/l 97
3) Chloromethane	1.31	50	47091	14.008	ug/l 97
4) Vinyl Chloride	1.39	62	50277	14.665	ug/l 100
5) Bromomethane	1.63	94	34326	13.906	ug/l 99
6) Chloroethane	1.72	64	31494	14.244	ug/l 96
7) Trichlorofluoromethane	1.92	101	85663	15.364	ug/l 95
8) Diethyl Ether	2.17	74	28895	14.243	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48371	16.347	ug/l 89
10) 1,1-Dichloroethene	2.36	96	47823	16.387	ug/l 96
11) Methyl Iodide	2.50	142	44412	11.397	ug/l 98
12) Methyl Acetate	2.75	43	63945	17.370	ug/l 95
13) Acrolein	2.27	56	49692	85.546	ug/l 100
14) Acrylonitrile	3.12	53	146222	83.864	ug/l 98
15) Acetone	2.42	58	37949	84.104	ug/l 90
16) Carbon Disulfide	2.55	76	128873	14.047	ug/l 100
17) Allyl chloride	2.71	41	84956	15.550	ug/l 98
18) Methylene Chloride	2.84	84	58665	16.689	ug/l 94
19) trans-1,2-Dichloroethene	3.14	96	53200	16.089	ug/l 97
20) Diisopropyl ether	3.82	45	172387	15.789	ug/l 97
21) 1,1-Dichloroethane	3.67	63	96673	16.057	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	62852	17.072	ug/l 90
23) tert-Butyl Alcohol	3.01	59	57653	74.647	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	171025	16.412	ug/l 100
25) Chloroform	5.18	83	102001	16.710	ug/l 100
26) Cyclohexane	5.55	56	77862	14.826	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	72304	16.624	ug/l 97
30) 2-Butanone	4.64	43	200275	88.344	ug/l 99
31) 2,2-Dichloropropane	4.56	77	72195	14.474	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	94399	17.937	ug/l 98
33) Carbon Tetrachloride	5.76	117	84716	18.152	ug/l 95
34) Benzene	6.12	78	214602	16.946	ug/l 100
35) Methacrylonitrile	5.01	41	43774	17.496	ug/l 94
36) 1,2-Dichloroethane	6.16	62	82576	17.026	ug/l 98
37) Trichloroethene	7.19	130	63111	18.263	ug/l 91
38) Methylcyclohexane	7.44	83	73777	14.895	ug/l 99
39) 1,2-Dichloropropane	7.49	63	55860	16.931	ug/l 91
40) Dibromomethane	7.63	93	40320	17.732	ug/l 91

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

41) Bromodichloromethane	7.88	83	82465	17.514	ug/l	94
42) Vinyl Acetate	3.79	43	744248	81.467	ug/l	99
43) Ethyl Acetate	4.79	43	80013	17.039	ug/l	98
44) Isopropyl Acetate	6.42	43	123899	16.007	ug/l	97
45) 1,4-Dioxane	7.71	88	23972	306.994	ug/l	95
46) Methyl methacrylate	7.74	41	61692	17.223	ug/l	89
47) n-amyl Acetate	10.88	43	104851	15.326	ug/l	96
48) t-1,3-Dichloropropene	9.02	75	84447	16.220	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	92411	16.890	ug/l	95
50) 1,1,2-Trichloroethane	9.20	97	58211	18.343	ug/l	99
51) Ethyl methacrylate	9.16	69	81053	16.643	ug/l	96
52) 1,3-Dichloropropane	9.35	76	94256	17.300	ug/l	96
53) Dibromochloromethane	9.57	129	69734	19.118	ug/l	96
54) 1,2-Dibromoethane	9.65	107	62781	18.644	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	232525	90.728	ug/l	97
56) Bromoform	10.84	173	52719	20.361	ug/l #	98
58) 4-Methyl-2-Pentanone	8.62	43	395507	83.863	ug/l	97
59) 2-Hexanone	9.47	43	294185	83.582	ug/l	96
61) Tetrachloroethene	9.32	164	63418	19.423	ug/l	94
62) Toluene	8.77	91	233821	16.697	ug/l	99
64) Chlorobenzene	10.12	112	153550	17.502	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	61283	18.555	ug/l	98
66) Ethyl Benzene	10.23	91	255359	16.444	ug/l	99
67) m/p-Xylenes	10.34	106	200236	34.181	ug/l	97
68) o-Xylene	10.68	106	93145	16.552	ug/l	100
69) Styrene	10.70	104	164580	17.081	ug/l	97
70) Isopropylbenzene	11.00	105	255640	16.749	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	84371	18.000	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	82221m	18.266	ug/l	
73) Bromobenzene	11.24	156	69999	18.172	ug/l	95
74) n-propylbenzene	11.34	91	291061	16.061	ug/l	99
75) 2-Chlorotoluene	11.40	91	176842	16.734	ug/l	97
76) 1,3,5-Trimethylbenzene	11.49	105	221233	17.269	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	27199	14.910	ug/l	98
78) 4-Chlorotoluene	11.49	91	213529	17.066	ug/l	100
79) tert-butylbenzene	11.76	119	207427	16.901	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	221485	17.221	ug/l	98
81) sec-Butylbenzene	11.93	105	240485	16.184	ug/l	99
82) p-Isopropyltoluene	12.05	119	225362	16.797	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	129318	18.734	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	130461	18.810	ug/l	99
85) n-Butylbenzene	12.37	91	183675	14.790	ug/l	98
86) Hexachloroethane	12.58	117	44993	17.136	ug/l	91
87) 1,2-Dichlorobenzene	12.37	146	125446	19.416	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	20083	18.832	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	81849	18.777	ug/l	95
90) Hexachlorobutadiene	13.76	225	30643	18.480	ug/l	98
91) Naphthalene	13.82	128	253039	17.710	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	78643	18.487	ug/l	97

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

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