

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015995.D
 Acq On : 30 Apr 2020 15:15
 Operator : JC/SP
 Sample : VX0430WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0430WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:23 PM

Quant Time: May 01 08:19:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49352	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	273949	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	249946	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	115226	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.12	95	121711	29.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.80%
63) Toluene-d8	8.70	98	325310	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	68403	20.123	ug/l 100
3) Chloromethane	1.31	50	63649	19.110	ug/l 99
4) Vinyl Chloride	1.39	62	70816	18.714	ug/l 100
5) Bromomethane	1.63	94	51942	22.394	ug/l 100
6) Chloroethane	1.72	64	46736	18.840	ug/l 100
7) Trichlorofluoromethane	1.92	101	105236	19.416	ug/l 100
8) Diethyl Ether	2.17	74	42714	19.744	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54181	19.357	ug/l 98
10) 1,1-Dichloroethene	2.36	96	52626	18.635	ug/l 97
11) Methyl Iodide	2.49	142	68988	17.894	ug/l 99
12) Methyl Acetate	2.75	43	98342	19.945	ug/l 99
13) Acrolein	2.27	56	31519	79.741	ug/l 99
14) Acrylonitrile	3.11	53	175431	96.325	ug/l 99
15) Acetone	2.42	58	47536	98.625	ug/l 99
16) Carbon Disulfide	2.55	76	159391	18.553	ug/l 99
17) Allyl chloride	2.70	41	97686	18.647	ug/l 97
18) Methylene Chloride	2.83	84	60293	19.058	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	57677	18.673	ug/l 95
20) Diisopropyl ether	3.82	45	191200	18.929	ug/l 99
21) 1,1-Dichloroethane	3.67	63	106014	18.823	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	66116	18.862	ug/l 98
23) tert-Butyl Alcohol	3.00	59	87128	97.730	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	196208	19.347	ug/l 99
25) Chloroform	5.18	83	107122	18.727	ug/l 95
26) Cyclohexane	5.55	56	96516	18.740	ug/l # 97
29) 1,1-Dichloropropene	5.77	75	81436	18.901	ug/l 99
30) 2-Butanone	4.63	43	250697	97.649	ug/l 99
31) 2,2-Dichloropropane	4.55	77	96002	18.514	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	98961	18.934	ug/l 99
33) Carbon Tetrachloride	5.75	117	87160	18.729	ug/l 98
34) Benzene	6.11	78	235897	18.745	ug/l 99
35) Methacrylonitrile	5.00	41	52212	19.150	ug/l 96
36) 1,2-Dichloroethane	6.16	62	92498	19.246	ug/l 100
37) Trichloroethene	7.19	130	86714	19.369	ug/l 98
38) Methylcyclohexane	7.44	83	100666	19.118	ug/l 100
39) 1,2-Dichloropropane	7.49	63	61113	18.918	ug/l 96
40) Dibromomethane	7.64	93	43351	19.326	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	85485	18.486	ug/l	100
42) Vinyl Acetate	3.78	43	814571	95.904	ug/l	100
43) Ethyl Acetate	4.79	43	96650	19.085	ug/l	100
44) Isopropyl Acetate	6.41	43	159813	19.446	ug/l	99
45) 1,4-Dioxane	7.71	88	34147	393.364	ug/l	97
46) Methyl methacrylate	7.74	41	74695	19.172	ug/l	97
47) n-amyl Acetate	10.88	43	133505	18.579	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	100930	18.795	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	106016	19.108	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	59243	18.741	ug/l	96
51) Ethyl methacrylate	9.16	69	97087	18.600	ug/l	98
52) 1,3-Dichloropropane	9.35	76	104698	19.160	ug/l	100
53) Dibromochloromethane	9.57	129	66778	18.568	ug/l	99
54) 1,2-Dibromoethane	9.65	107	64402	18.537	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	245190	86.341	ug/l	99
56) Bromoform	10.84	173	47494	17.527	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	484215	98.238	ug/l	100
59) 2-Hexanone	9.47	43	372374	97.806	ug/l	100
61) Tetrachloroethene	9.32	164	97969	19.815	ug/l	98
62) Toluene	8.76	91	255028	19.099	ug/l	100
64) Chlorobenzene	10.12	112	161094	18.947	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	60712	18.809	ug/l	98
66) Ethyl Benzene	10.23	91	288002	18.941	ug/l	99
67) m/p-Xylenes	10.34	106	217890	37.616	ug/l	99
68) o-Xylene	10.68	106	103871	18.596	ug/l	100
69) Styrene	10.70	104	176505	18.463	ug/l	99
70) Isopropylbenzene	11.00	105	281771	18.684	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	47254	16.855	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	89425m	19.694	ug/l	
73) Bromobenzene	11.24	156	71111	18.712	ug/l	100
74) n-propylbenzene	11.34	91	327767	18.711	ug/l	99
75) 2-Chlorotoluene	11.40	91	192787	18.729	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	238206	18.608	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	35300	18.080	ug/l	98
78) 4-Chlorotoluene	11.49	91	225388	18.498	ug/l	99
79) tert-butylbenzene	11.76	119	201641	18.443	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	237799	18.594	ug/l	100
81) sec-Butylbenzene	11.93	105	275102	18.656	ug/l	99
82) p-Isopropyltoluene	12.05	119	254574	18.630	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	127370	18.590	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	128865	18.928	ug/l	99
85) n-Butylbenzene	12.37	91	226459	18.142	ug/l	100
86) Hexachloroethane	12.58	117	43558	18.107	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	123480	18.634	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	21766	18.554	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	90266	18.494	ug/l	100
90) Hexachlorobutadiene	13.77	225	41540	19.803	ug/l	99
91) Naphthalene	13.82	128	298380	19.202	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	88354	18.842	ug/l	98

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

