

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015994.D
 Acq On : 30 Apr 2020 14:41
 Operator : JC/SP
 Sample : VX0430WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0430WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:20 PM

Quant Time: May 01 08:08:47 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	50490	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	283083	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	253390	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	116961	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	11.12	95	126750	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.70	98	334253	30.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	71847	20.659	ug/l 99
3) Chloromethane	1.31	50	67859	19.915	ug/l 98
4) Vinyl Chloride	1.39	62	74420	19.223	ug/l 100
5) Bromomethane	1.63	94	54273	22.872	ug/l 100
6) Chloroethane	1.71	64	49250	19.406	ug/l 96
7) Trichlorofluoromethane	1.92	101	110906	20.001	ug/l 100
8) Diethyl Ether	2.17	74	43499	19.654	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	56993	19.903	ug/l 97
10) 1,1-Dichloroethene	2.36	96	55141	19.086	ug/l 98
11) Methyl Iodide	2.49	142	69864	17.713	ug/l 99
12) Methyl Acetate	2.75	43	98837	19.594	ug/l 98
13) Acrolein	2.27	56	32762	81.018	ug/l 98
14) Acrylonitrile	3.11	53	175549	94.217	ug/l 99
15) Acetone	2.42	58	46339	93.974	ug/l 99
16) Carbon Disulfide	2.55	76	168656	19.189	ug/l 99
17) Allyl chloride	2.71	41	102506	19.126	ug/l 98
18) Methylene Chloride	2.83	84	61014	18.852	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	60980	19.298	ug/l 97
20) Diisopropyl ether	3.82	45	196155	18.982	ug/l 98
21) 1,1-Dichloroethane	3.67	63	110084	19.105	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	68672	19.150	ug/l 98
23) tert-Butyl Alcohol	3.01	59	86706	95.065	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	199215	19.201	ug/l 99
25) Chloroform	5.18	83	110632	18.905	ug/l 95
26) Cyclohexane	5.55	56	100350	19.045	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	84439	18.966	ug/l 100
30) 2-Butanone	4.63	43	250229	94.322	ug/l 99
31) 2,2-Dichloropropane	4.56	77	103842	19.380	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	102623	19.001	ug/l 99
33) Carbon Tetrachloride	5.75	117	91759	19.081	ug/l 97
34) Benzene	6.11	78	245894	18.909	ug/l 99
35) Methacrylonitrile	5.00	41	52887	18.772	ug/l 96
36) 1,2-Dichloroethane	6.16	62	93705	18.868	ug/l 100
37) Trichloroethene	7.19	130	89428	19.331	ug/l 99
38) Methylcyclohexane	7.44	83	104359	19.180	ug/l 99
39) 1,2-Dichloropropane	7.49	63	62406	18.695	ug/l 97
40) Dibromomethane	7.64	93	43572	18.797	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	89087	18.643	ug/l	99
42) Vinyl Acetate	3.78	43	822539	93.717	ug/l	100
43) Ethyl Acetate	4.79	43	99143	18.945	ug/l	99
44) Isopropyl Acetate	6.41	43	161169	18.979	ug/l	99
45) 1,4-Dioxane	7.71	88	33907	377.996	ug/l	98
46) Methyl methacrylate	7.74	41	74351	18.468	ug/l	99
47) n-amyl Acetate	10.88	43	135881	18.299	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	102502	18.472	ug/l	97
49) cis-1,3-Dichloropropene	8.41	75	107991	18.836	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	60806	18.615	ug/l	97
51) Ethyl methacrylate	9.16	69	98068	18.181	ug/l	100
52) 1,3-Dichloropropane	9.35	76	107141	18.974	ug/l	99
53) Dibromochloromethane	9.57	129	67216	18.087	ug/l	99
54) 1,2-Dibromoethane	9.65	107	66080	18.407	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	244781	83.416	ug/l	99
56) Bromoform	10.84	173	48617	17.363	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	488581	97.777	ug/l	100
59) 2-Hexanone	9.47	43	372495	96.508	ug/l	100
61) Tetrachloroethene	9.32	164	101665	20.283	ug/l	99
62) Toluene	8.77	91	262596	19.398	ug/l	99
64) Chlorobenzene	10.12	112	164596	19.096	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	62924	19.230	ug/l	98
66) Ethyl Benzene	10.24	91	294804	19.125	ug/l	97
67) m/p-Xylenes	10.34	106	223140	37.999	ug/l	99
68) o-Xylene	10.68	106	107249	18.939	ug/l	98
69) Styrene	10.70	104	179214	18.491	ug/l	99
70) Isopropylbenzene	11.00	105	291752	19.083	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	48525	17.073	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	89469m	19.436	ug/l	
73) Bromobenzene	11.24	156	71095	18.453	ug/l	98
74) n-propylbenzene	11.34	91	336720	18.961	ug/l	100
75) 2-Chlorotoluene	11.40	91	198489	19.021	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	245198	18.894	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	36214	18.296	ug/l	99
78) 4-Chlorotoluene	11.49	91	231584	18.748	ug/l	99
79) tert-butylbenzene	11.76	119	209130	18.868	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	245622	18.944	ug/l	100
81) sec-Butylbenzene	11.93	105	284432	19.027	ug/l	99
82) p-Isopropyltoluene	12.05	119	260694	18.818	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	130593	18.801	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	131047	18.987	ug/l	99
85) n-Butylbenzene	12.37	91	233884	18.483	ug/l	99
86) Hexachloroethane	12.58	117	45122	18.502	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	125871	18.737	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	21740	18.280	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	90472	18.284	ug/l	98
90) Hexachlorobutadiene	13.77	225	42045	19.771	ug/l	99
91) Naphthalene	13.82	128	295563	18.762	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	88481	18.613	ug/l	98

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

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