

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112020\
 Data File : VX019475.D
 Acq On : 19 Nov 2020 18:55
 Operator : JC/MD
 Sample : VX1120WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1120WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:25:13 PM

Quant Time: Nov 20 02:04:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X112020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 20 01:06:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	46411	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	256105	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	244254	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	101413	30.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.33%
60) 4-Bromofluorobenzene	11.12	95	118669	29.79	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.30%
63) Toluene-d8	8.70	98	320234	29.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	49913	19.348	ug/l 100
3) Chloromethane	1.31	50	57288	19.973	ug/l 99
4) Vinyl Chloride	1.39	62	60081	19.006	ug/l 99
5) Bromomethane	1.62	94	25408	21.107	ug/l 99
6) Chloroethane	1.70	64	23350	25.980	ug/l 99
7) Trichlorofluoromethane	1.90	101	83929	18.634	ug/l 99
8) Diethyl Ether	2.17	74	35292	19.208	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	47821	18.751	ug/l 99
10) 1,1-Dichloroethene	2.35	96	48152	18.740	ug/l 98
11) Methyl Iodide	2.48	142	52381	16.094	ug/l 98
12) Methyl Acetate	2.75	43	60173	19.531	ug/l 99
13) Acrolein	2.27	56	40165	87.187	ug/l 99
14) Acrylonitrile	3.12	53	147962	98.463	ug/l 99
15) Acetone	2.42	58	40732	93.347	ug/l 99
16) Carbon Disulfide	2.54	76	127610	18.763	ug/l 100
17) Allyl chloride	2.70	41	73443	19.013	ug/l 99
18) Methylene Chloride	2.83	84	58855	18.939	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	54819	19.102	ug/l 98
20) Diisopropyl ether	3.82	45	159950	19.285	ug/l 97
21) 1,1-Dichloroethane	3.67	63	96143	19.049	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	63129	19.007	ug/l 99
23) tert-Butyl Alcohol	3.04	59	71278	110.445	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	171352	19.396	ug/l 100
25) Chloroform	5.17	83	100075	18.879	ug/l 100
26) Cyclohexane	5.54	56	80377	18.604	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	73183	18.598	ug/l 98
30) 2-Butanone	4.64	43	191998	96.588	ug/l 100
31) 2,2-Dichloropropane	4.55	77	79309	17.932	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	86142	18.660	ug/l 98
33) Carbon Tetrachloride	5.74	117	71018	18.127	ug/l 97
34) Benzene	6.11	78	228301	18.673	ug/l 97
35) Methacrylonitrile	5.01	41	39803	19.416	ug/l 97
36) 1,2-Dichloroethane	6.16	62	80052	18.917	ug/l 100
37) Trichloroethene	7.18	130	59895	18.479	ug/l 98
38) Methylcyclohexane	7.44	83	85352	17.948	ug/l 99
39) 1,2-Dichloropropane	7.49	63	57519	19.054	ug/l 99
40) Dibromomethane	7.63	93	39903	19.003	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	75268	18.239	ug/l	98
42) Vinyl Acetate	3.78	43	673970	94.261	ug/l	99
43) Ethyl Acetate	4.79	43	73509	19.213	ug/l	98
44) Isopropyl Acetate	6.42	43	118057	19.012	ug/l	100
45) 1,4-Dioxane	7.72	88	26766	384.539	ug/l	98
46) Methyl methacrylate	7.74	41	57645	18.967	ug/l	96
47) n-amyl Acetate	10.88	43	97400	18.796	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	81956	18.290	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	91902	18.567	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	59573	18.944	ug/l	95
51) Ethyl methacrylate	9.16	69	86227	19.161	ug/l	100
52) 1,3-Dichloropropane	9.35	76	101418	19.311	ug/l	100
53) Dibromochloromethane	9.56	129	57223	18.256	ug/l	99
54) 1,2-Dibromoethane	9.65	107	61556	18.933	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	229261	92.583	ug/l	99
56) Bromoform	10.84	173	41050	18.481	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	376546	96.498	ug/l	100
59) 2-Hexanone	9.48	43	282138	93.744	ug/l	100
61) Tetrachloroethene	9.32	164	59533	18.704	ug/l	92
62) Toluene	8.76	91	250627	18.345	ug/l	99
64) Chlorobenzene	10.12	112	156552	18.814	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	55967	18.270	ug/l	98
66) Ethyl Benzene	10.23	91	276330	18.459	ug/l	100
67) m/p-Xylenes	10.34	106	207899	37.082	ug/l	99
68) o-Xylene	10.68	106	99489	18.721	ug/l	99
69) Styrene	10.70	104	166304	18.367	ug/l	99
70) Isopropylbenzene	11.00	105	268344	18.627	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	91179	18.539	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	84573m	19.128	ug/l	
73) Bromobenzene	11.24	156	66800	18.591	ug/l	99
74) n-propylbenzene	11.34	91	311867	18.618	ug/l	99
75) 2-Chlorotoluene	11.40	91	188717	18.789	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	227694	18.653	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	26695	17.616	ug/l	94
78) 4-Chlorotoluene	11.49	91	217861	18.557	ug/l	100
79) tert-butylbenzene	11.76	119	214561	18.325	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	225880	18.413	ug/l	99
81) sec-Butylbenzene	11.93	105	259969	18.497	ug/l	100
82) p-Isopropyltoluene	12.05	119	231435	18.107	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	122457	18.476	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	123370	18.395	ug/l	99
85) n-Butylbenzene	12.37	91	205304	17.603	ug/l	99
86) Hexachloroethane	12.58	117	36524	16.978	ug/l	98
87) 1,2-Dichlorobenzene	12.37	146	117949	17.998	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	18453	17.850	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	75488	17.259	ug/l	99
90) Hexachlorobutadiene	13.76	225	34710	17.654	ug/l	98
91) Naphthalene	13.82	128	249703	17.946	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	77597	17.745	ug/l	98

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

