

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015275.D
 Acq On : 13 Mar 2020 22:29
 Operator : JC/SP
 Sample : VX0313WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0313WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:34 PM

Quant Time: Mar 16 09:43:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	48795	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	282199	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	267761	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	102221	31.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.50%
60) 4-Bromofluorobenzene	11.13	95	125792	29.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.37%
63) Toluene-d8	8.71	98	353790	30.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	41759	17.017	ug/l 94
3) Chloromethane	1.32	50	57862	16.331	ug/l 98
4) Vinyl Chloride	1.40	62	56917	15.787	ug/l 99
5) Bromomethane	1.64	94	35552	15.136	ug/l 94
6) Chloroethane	1.72	64	36192	15.982	ug/l 96
7) Trichlorofluoromethane	1.93	101	69600	15.142	ug/l 96
8) Diethyl Ether	2.18	74	33094	16.245	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	43781	15.532	ug/l 98
10) 1,1-Dichloroethene	2.37	96	46235	16.269	ug/l 97
11) Methyl Iodide	2.50	142	40850	13.975	ug/l 98
12) Methyl Acetate	2.76	43	65555	18.700	ug/l 97
13) Acrolein	2.29	56	39450	71.258	ug/l 98
14) Acrylonitrile	3.14	53	150405	92.456	ug/l 98
15) Acetone	2.44	58	38263	80.162	ug/l 96
16) Carbon Disulfide	2.56	76	128477	16.144	ug/l 98
17) Allyl chloride	2.72	41	88104	16.711	ug/l 98
18) Methylene Chloride	2.85	84	55959	17.424	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	52137	17.008	ug/l 99
20) Diisopropyl ether	3.84	45	186039	17.763	ug/l 97
21) 1,1-Dichloroethane	3.69	63	97689	17.604	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	61171	17.654	ug/l 98
23) tert-Butyl Alcohol	3.03	59	58280	91.633	ug/l # 99
24) Methyl tert-Butyl Ether	3.19	73	159863	17.410	ug/l 97
25) Chloroform	5.20	83	97033	18.381	ug/l 98
26) Cyclohexane	5.58	56	91529	17.748	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	75937	17.536	ug/l 99
30) 2-Butanone	4.66	43	207535	89.490	ug/l 99
31) 2,2-Dichloropropane	4.58	77	61201	13.757	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	81981	17.396	ug/l 98
33) Carbon Tetrachloride	5.78	117	69991	17.355	ug/l 98
34) Benzene	6.14	78	244011	18.595	ug/l 98
35) Methacrylonitrile	5.03	41	43882	17.502	ug/l 97
37) Trichloroethene	7.21	130	68781	18.953	ug/l 94
38) Methylcyclohexane	7.46	83	91013	17.297	ug/l 99
39) 1,2-Dichloropropane	7.51	63	66149	19.514	ug/l 93
40) Dibromomethane	7.65	93	41846	19.423	ug/l 99
41) Bromodichloromethane	7.89	83	82684	19.404	ug/l 96

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Quant Time: Mar 16 09:43:55 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.81	43	767995	83.977	ug/l	100
43) Ethyl Acetate	4.82	43	83246	18.919	ug/l	97
44) Isopropyl Acetate	6.43	43	144636	19.434	ug/l	99
45) 1,4-Dioxane	7.74	88	30933	423.182	ug/l	95
46) Methyl methacrylate	7.76	41	69241	18.867	ug/l	98
47) n-amyl Acetate	10.89	43	122186	18.296	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	87656	18.918	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	96681	18.373	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	65312	20.502	ug/l	96
51) Ethyl methacrylate	9.17	69	98364	19.788	ug/l	98
52) 1,3-Dichloropropane	9.37	76	113326	21.018	ug/l	100
53) Dibromochloromethane	9.57	129	68210	20.105	ug/l	97
54) 1,2-Dibromoethane	9.67	107	69595	21.177	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	251227	100.909	ug/l	99
56) Bromoform	10.85	173	50192	18.869	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	467552	102.567	ug/l	100
59) 2-Hexanone	9.48	43	349559	101.456	ug/l	100
61) Tetrachloroethene	9.33	164	71384	19.152	ug/l	95
62) Toluene	8.78	91	271609	19.169	ug/l	100
64) Chlorobenzene	10.14	112	169934	18.770	ug/l	94
65) 1,1,1,2-Tetrachloroethane	10.21	131	62114	18.626	ug/l	98
66) Ethyl Benzene	10.25	91	288427	18.273	ug/l	99
67) m/p-Xylenes	10.35	106	228905	37.779	ug/l	98
68) o-Xylene	10.70	106	107120	18.440	ug/l	98
69) Styrene	10.71	104	189631	18.757	ug/l	100
70) Isopropylbenzene	11.01	105	283760	18.352	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	99170	19.758	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	82364m	20.048	ug/l	
73) Bromobenzene	11.25	156	78825	18.693	ug/l	98
74) n-propylbenzene	11.35	91	331399	18.142	ug/l	99
75) 2-Chlorotoluene	11.42	91	201582	18.901	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	233243	17.671	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	29291	17.024	ug/l	97
78) 4-Chlorotoluene	11.51	91	223476	18.200	ug/l	99
79) tert-butylbenzene	11.76	119	228142	18.436	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	246479	18.888	ug/l	100
81) sec-Butylbenzene	11.94	105	279133	18.176	ug/l	99
82) p-Isopropyltoluene	12.06	119	257640	18.243	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	138074	18.531	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	137727	18.480	ug/l	100
85) n-Butylbenzene	12.39	91	214808	17.356	ug/l	99
86) Hexachloroethane	12.59	117	43756	17.698	ug/l	92
87) 1,2-Dichlorobenzene	12.39	146	134492	18.513	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	19355	18.730	ug/l	96
89) 1,2,4-Trichlorobenzene	13.64	180	92260	17.182	ug/l	100
90) Hexachlorobutadiene	13.78	225	44893	16.251	ug/l	99
91) Naphthalene	13.83	128	268013	18.017	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	95808	17.728	ug/l	99

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

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

