

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\
 Data File : VX015120.D
 Acq On : 06 Mar 2020 12:27
 Operator : JC/SP
 Sample : VX0306WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:36:32 AM

Quant Time: Mar 07 00:39:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	62461	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	330112	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	307589	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	129352	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	11.13	95	143101	29.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.57%
63) Toluene-d8	8.71	98	405426	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	49348	17.692	ug/l 99
3) Chloromethane	1.32	50	77939	21.610	ug/l 98
4) Vinyl Chloride	1.40	62	79263	20.420	ug/l 99
5) Bromomethane	1.64	94	51826	19.066	ug/l 100
6) Chloroethane	1.72	64	50100	19.269	ug/l 99
7) Trichlorofluoromethane	1.93	101	105394	18.657	ug/l 95
8) Diethyl Ether	2.18	74	45620	19.197	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67102	20.545	ug/l 99
10) 1,1-Dichloroethene	2.37	96	64071	19.513	ug/l 97
11) Methyl Iodide	2.50	142	55599	13.936	ug/l 98
12) Methyl Acetate	2.76	43	80518	19.706	ug/l 94
13) Acrolein	2.28	56	85866	105.667	ug/l 98
14) Acrylonitrile	3.13	53	176820	95.825	ug/l 100
15) Acetone	2.44	58	57322	86.804	ug/l 97
16) Carbon Disulfide	2.56	76	164642	18.649	ug/l 99
17) Allyl chloride	2.72	41	112952	19.776	ug/l 98
18) Methylene Chloride	2.85	84	73871	19.526	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	71631	19.862	ug/l 94
20) Diisopropyl ether	3.84	45	238357	20.434	ug/l 90
21) 1,1-Dichloroethane	3.69	63	132633	20.742	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	80836	19.587	ug/l 96
23) tert-Butyl Alcohol	3.04	59	69628	95.191	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	214510	19.636	ug/l 99
25) Chloroform	5.20	83	130132	20.181	ug/l 100
26) Cyclohexane	5.57	56	111523	19.514	ug/l 97
29) 1,1-Dichloropropene	5.79	75	96695	20.709	ug/l 98
30) 2-Butanone	4.65	43	251074	93.159	ug/l 100
31) 2,2-Dichloropropane	4.58	77	103403	20.168	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	109214	20.597	ug/l 99
33) Carbon Tetrachloride	5.78	117	94256	20.306	ug/l 96
34) Benzene	6.13	78	292061	20.729	ug/l 98
35) Methacrylonitrile	5.03	41	54557	19.844	ug/l 99
36) 1,2-Dichloroethane	6.18	62	104352	20.924	ug/l 100
37) Trichloroethene	7.20	130	80493	20.348	ug/l 97
38) Methylcyclohexane	7.45	83	113402	19.594	ug/l 99
39) 1,2-Dichloropropane	7.50	63	75579	20.840	ug/l 97
40) Dibromomethane	7.65	93	49627	20.493	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	98986	20.692	ug/l	96
42) Vinyl Acetate	3.80	43	980432	103.353	ug/l	100
43) Ethyl Acetate	4.82	43	96692	19.828	ug/l #	92
44) Isopropyl Acetate	6.43	43	157107	19.165	ug/l	98
45) 1,4-Dioxane	7.75	88	32167	424.658	ug/l	97
46) Methyl methacrylate	7.76	41	78875	19.449	ug/l	96
47) n-amyl Acetate	10.89	43	134043	18.875	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	105698	19.915	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	119167	20.395	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	74674	20.697	ug/l	97
51) Ethyl methacrylate	9.17	69	107157	19.243	ug/l	96
52) 1,3-Dichloropropane	9.36	76	129558	21.227	ug/l	100
53) Dibromochloromethane	9.57	129	79498	20.380	ug/l	100
54) 1,2-Dibromoethane	9.67	107	77887	20.333	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	292418	98.582	ug/l	98
56) Bromoform	10.85	173	57835	18.914	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	491572	97.515	ug/l	99
59) 2-Hexanone	9.48	43	363716	92.344	ug/l	99
61) Tetrachloroethene	9.33	164	81605	19.753	ug/l	99
62) Toluene	8.78	91	316220	20.071	ug/l	99
64) Chlorobenzene	10.13	112	202064	20.093	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	74038	19.876	ug/l	99
66) Ethyl Benzene	10.25	91	341675	19.687	ug/l	99
67) m/p-Xylenes	10.35	106	263862	39.428	ug/l	99
68) o-Xylene	10.69	106	124787	19.271	ug/l	98
69) Styrene	10.71	104	214087	19.358	ug/l	100
70) Isopropylbenzene	11.01	105	344471	20.027	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	110321	19.921	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	92811m	20.204	ug/l	
73) Bromobenzene	11.25	156	88759	19.098	ug/l	96
74) n-propylbenzene	11.35	91	394926	20.173	ug/l	100
75) 2-Chlorotoluene	11.42	91	234832	20.299	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	287768	19.963	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	32644	17.623	ug/l	92
78) 4-Chlorotoluene	11.51	91	265855	19.867	ug/l	100
79) tert-butylbenzene	11.76	119	272188	19.544	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	288868	20.157	ug/l	99
81) sec-Butylbenzene	11.94	105	337525	20.237	ug/l	100
82) p-Isopropyltoluene	12.06	119	307330	19.835	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	158773	19.488	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	160479	19.560	ug/l	99
85) n-Butylbenzene	12.39	91	262372	19.459	ug/l	100
86) Hexachloroethane	12.59	117	53195	18.994	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	159287	19.647	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	21369	17.717	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	107531	18.444	ug/l	99
90) Hexachlorobutadiene	13.78	225	54590	18.854	ug/l	97
91) Naphthalene	13.83	128	303828	18.407	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	111547	19.271	ug/l	99

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

