

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014490.D
 Acq On : 09 Jan 2020 11:43
 Operator : JC/SP
 Sample : VX0109WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0109WBSD01

Manual Integrations
 APPROVED

apatel
 1/10/2020 8:34:49 AM

Quant Time: Jan 09 15:15:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	77244	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	428530	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	390123	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	163918	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.13	95	186852	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	8.71	98	525339	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	72953	18.697	ug/l 100
3) Chloromethane	1.32	50	99832	18.153	ug/l 97
4) Vinyl Chloride	1.40	62	106268	18.850	ug/l 100
5) Bromomethane	1.64	94	65856	15.980	ug/l 98
6) Chloroethane	1.72	64	70521	20.251	ug/l 97
7) Trichlorofluoromethane	1.92	101	141413	20.158	ug/l 99
8) Diethyl Ether	2.18	74	65623	20.351	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87561	20.928	ug/l 98
10) 1,1-Dichloroethene	2.37	96	82954	19.178	ug/l 98
11) Methyl Iodide	2.50	142	106075	19.050	ug/l 100
12) Methyl Acetate	2.76	43	135349	20.213	ug/l 98
13) Acrolein	2.28	56	73951	91.053	ug/l 98
14) Acrylonitrile	3.12	53	262645	100.332	ug/l 99
15) Acetone	2.43	58	86994	113.126	ug/l 84
16) Carbon Disulfide	2.56	76	220940	18.855	ug/l 98
17) Allyl chloride	2.72	41	153285	19.721	ug/l 96
18) Methylene Chloride	2.85	84	97580	18.411	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	90819	19.174	ug/l 95
20) Diisopropyl ether	3.84	45	315088	19.756	ug/l 92
21) 1,1-Dichloroethane	3.69	63	168219	19.434	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	108430	19.747	ug/l 100
23) tert-Butyl Alcohol	3.02	59	108439	105.613	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	290906	19.909	ug/l 100
25) Chloroform	5.19	83	162802	19.728	ug/l 98
26) Cyclohexane	5.57	56	152409	19.746	ug/l 100
29) 1,1-Dichloropropene	5.79	75	123205	19.904	ug/l 99
30) 2-Butanone	4.65	43	389619	106.788	ug/l 99
31) 2,2-Dichloropropane	4.57	77	132491	23.139	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	135195	19.746	ug/l 99
33) Carbon Tetrachloride	5.77	117	117321	20.158	ug/l 93
34) Benzene	6.13	78	387092	20.055	ug/l 98
35) Methacrylonitrile	5.02	41	81024	20.648	ug/l 96
36) 1,2-Dichloroethane	6.18	62	133652	19.934	ug/l 100
37) Trichloroethene	7.20	130	107550	20.478	ug/l 98
38) Methylcyclohexane	7.45	83	157446	21.324	ug/l 98
39) 1,2-Dichloropropane	7.51	63	98873	19.723	ug/l 92
40) Dibromomethane	7.65	93	65096	20.327	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	124727	20.115	ug/l	99
42) Vinyl Acetate	3.80	43	1279756	99.349	ug/l	100
43) Ethyl Acetate	4.81	43	143867	20.550	ug/l	99
44) Isopropyl Acetate	6.43	43	233945	19.952	ug/l	99
45) 1,4-Dioxane	7.73	88	47721	434.600	ug/l	98
46) Methyl methacrylate	7.76	41	112471	19.747	ug/l	100
47) n-amyl Acetate	10.89	43	195876	18.787	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	138194	20.419	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	156792	20.600	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	100254	20.285	ug/l	98
51) Ethyl methacrylate	9.17	69	155322	19.758	ug/l	96
52) 1,3-Dichloropropane	9.36	76	169375	20.171	ug/l	99
53) Dibromochloromethane	9.57	129	99561	20.146	ug/l	99
54) 1,2-Dibromoethane	9.67	107	102421	20.128	ug/l	100
55) 2-Chloroethyl vinyl ether	8.30	63	341453	98.531	ug/l	100
56) Bromoform	10.85	173	75472	19.583	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	731737	100.246	ug/l	100
59) 2-Hexanone	9.48	43	572763	103.397	ug/l	99
61) Tetrachloroethene	9.33	164	123742	23.977	ug/l	97
62) Toluene	8.78	91	411560	19.835	ug/l	98
64) Chlorobenzene	10.14	112	256889	19.762	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	94149	19.560	ug/l	98
66) Ethyl Benzene	10.25	91	457286	20.139	ug/l	99
67) m/p-Xylenes	10.36	106	352625	40.624	ug/l	98
68) o-Xylene	10.70	106	171145	19.903	ug/l	98
69) Styrene	10.71	104	285905	19.552	ug/l	99
70) Isopropylbenzene	11.01	105	448194	20.170	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	143071	18.155	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	125093m	17.834	ug/l	
73) Bromobenzene	11.25	156	118426	19.964	ug/l	97
74) n-propylbenzene	11.35	91	513313	20.366	ug/l	98
75) 2-Chlorotoluene	11.42	91	305847	20.083	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	375965	19.945	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	46873	20.236	ug/l	93
78) 4-Chlorotoluene	11.51	91	345897	19.877	ug/l	98
79) tert-butylbenzene	11.76	119	346811	19.087	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	373174	19.798	ug/l	99
81) sec-Butylbenzene	11.94	105	431458	19.964	ug/l	98
82) p-Isopropyltoluene	12.06	119	396315	20.321	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	207801	20.098	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	208267	20.229	ug/l	100
85) n-Butylbenzene	12.39	91	339847	20.725	ug/l	100
86) Hexachloroethane	12.59	117	66790	18.878	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	210939	20.086	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	30064	19.141	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	141701	21.112	ug/l	99
90) Hexachlorobutadiene	13.78	225	67487	21.153	ug/l	99
91) Naphthalene	13.83	128	418933	20.766	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	142990	21.004	ug/l	99

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

