

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019078.D
 Acq On : 23 Oct 2020 14:42
 Operator : JC/SP
 Sample : VX1023WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1023WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 2:28:03 PM

Quant Time: Oct 26 04:27:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	42301	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	230702	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.09	117	215709	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	85678	30.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.37%
60) 4-Bromofluorobenzene	11.12	95	98424	30.40	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.33%
63) Toluene-d8	8.70	98	279547	29.35	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	39401	18.535	ug/l 100
3) Chloromethane	1.31	50	37925	19.744	ug/l 99
4) Vinyl Chloride	1.39	62	46839	18.606	ug/l 97
5) Bromomethane	1.64	94	43007	24.665	ug/l 97
6) Chloroethane	1.71	64	32006	18.761	ug/l 98
7) Trichlorofluoromethane	1.92	101	80192	18.294	ug/l 95
8) Diethyl Ether	2.17	74	31790	19.347	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	39195	18.713	ug/l 99
10) 1,1-Dichloroethene	2.36	96	39866	18.722	ug/l 97
11) Methyl Iodide	2.49	142	33348	19.258	ug/l 97
12) Methyl Acetate	2.75	43	42247	20.041	ug/l 99
13) Acrolein	2.28	56	18399	94.792	ug/l 99
14) Acrylonitrile	3.11	53	98389	99.349	ug/l 99
15) Acetone	2.42	58	30612	107.904	ug/l 89
16) Carbon Disulfide	2.55	76	107157	18.105	ug/l 100
17) Allyl chloride	2.70	41	51241	19.264	ug/l 95
18) Methylene Chloride	2.83	84	47430	19.531	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	45285	18.209	ug/l 98
20) Diisopropyl ether	3.82	45	102305	18.986	ug/l 93
21) 1,1-Dichloroethane	3.67	63	73842	18.665	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	53485	18.566	ug/l 100
23) tert-Butyl Alcohol	3.01	59	50312	104.790	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	128649	19.106	ug/l 98
25) Chloroform	5.17	83	83018	18.939	ug/l 98
26) Cyclohexane	5.54	56	56294	18.311	ug/l # 99
29) 1,1-Dichloropropene	5.76	75	60431	18.568	ug/l 100
30) 2-Butanone	4.63	43	137665	106.176	ug/l 99
31) 2,2-Dichloropropane	4.54	77	68519	18.400	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	72493	18.532	ug/l 98
33) Carbon Tetrachloride	5.75	117	61498	18.116	ug/l 96
34) Benzene	6.11	78	182142	19.020	ug/l 97
35) Methacrylonitrile	4.99	41	27234	19.403	ug/l 96
36) 1,2-Dichloroethane	6.15	62	64054	19.499	ug/l 99
37) Trichloroethene	7.18	130	52001	18.892	ug/l 94
38) Methylcyclohexane	7.44	83	68807	18.861	ug/l 99
39) 1,2-Dichloropropane	7.49	63	43435	19.540	ug/l 99
40) Dibromomethane	7.63	93	33481	19.408	ug/l 99

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Quant Time: Oct 26 04:27:14 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	65902	19.322	ug/l	99
42) Vinyl Acetate	3.78	43	496256	98.368	ug/l	99
43) Ethyl Acetate	4.79	43	53606	19.708	ug/l	98
44) Isopropyl Acetate	6.41	43	89649	19.683	ug/l	100
45) 1,4-Dioxane	7.72	88	19258	402.263	ug/l	99
46) Methyl methacrylate	7.74	41	42873	19.888	ug/l	96
47) n-amyl Acetate	10.88	43	75936	20.785	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	73461	19.239	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	75862	18.671	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	49327	19.741	ug/l	98
51) Ethyl methacrylate	9.16	69	71830	19.701	ug/l	98
52) 1,3-Dichloropropane	9.35	76	81068	19.915	ug/l	98
53) Dibromochloromethane	9.56	129	52751	18.964	ug/l	97
54) 1,2-Dibromoethane	9.65	107	53372	19.657	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	190233	97.631	ug/l	99
56) Bromoform	10.84	173	36388	18.712	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	275464	101.264	ug/l	100
59) 2-Hexanone	9.47	43	209884	103.540	ug/l	100
61) Tetrachloroethene	9.32	164	46790	18.284	ug/l	95
62) Toluene	8.76	91	208205	18.365	ug/l	100
64) Chlorobenzene	10.12	112	133512	18.945	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	47961	18.712	ug/l	98
66) Ethyl Benzene	10.23	91	232108	18.674	ug/l	99
67) m/p-Xylenes	10.34	106	178650	37.689	ug/l	99
68) o-Xylene	10.68	106	84208	18.627	ug/l	98
69) Styrene	10.70	104	144118	18.921	ug/l	99
70) Isopropylbenzene	11.00	105	227780	18.739	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	69463	19.794	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	66274m	21.001	ug/l	
73) Bromobenzene	11.24	156	56491	19.016	ug/l	100
74) n-propylbenzene	11.34	91	265416	19.284	ug/l	100
75) 2-Chlorotoluene	11.40	91	152276	19.559	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	188844	19.145	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	23257	18.557	ug/l	90
78) 4-Chlorotoluene	11.49	91	177353	19.385	ug/l	100
79) tert-butylbenzene	11.75	119	185780	19.127	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	185092	18.877	ug/l	99
81) sec-Butylbenzene	11.93	105	224690	19.550	ug/l	99
82) p-Isopropyltoluene	12.05	119	204635	19.319	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	100263	18.883	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	101730	18.870	ug/l	100
85) n-Butylbenzene	12.37	91	181324	19.119	ug/l	98
86) Hexachloroethane	12.58	117	29654	18.227	ug/l	97
87) 1,2-Dichlorobenzene	12.37	146	97145	19.111	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	14936	18.805	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	67408	18.427	ug/l	98
90) Hexachlorobutadiene	13.76	225	28946	18.663	ug/l	95
91) Naphthalene	13.82	128	219281	18.312	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	66254	18.828	ug/l	95

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

