

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019077.D
 Acq On : 23 Oct 2020 14:03
 Operator : JC/SP
 Sample : VX1023WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1023WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 2:27:57 PM

Quant Time: Oct 26 04:25:33 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	47092	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	261417	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	230891	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	94588	30.16	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.53%
60) 4-Bromofluorobenzene	11.12	95	102746	29.65	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.83%
63) Toluene-d8	8.70	98	316278	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	43283	18.289 ug/l	99
3) Chloromethane	1.31	50	42275	19.770 ug/l	100
4) Vinyl Chloride	1.39	62	53006	18.913 ug/l	100
5) Bromomethane	1.64	94	52386	26.987 ug/l	97
6) Chloroethane	1.72	64	35579	18.734 ug/l	99
7) Trichlorofluoromethane	1.92	101	89988	18.440 ug/l	95
8) Diethyl Ether	2.17	74	35314	19.305 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	43714	18.747 ug/l	100
10) 1,1-Dichloroethene	2.36	96	44289	18.683 ug/l	92
11) Methyl Iodide	2.50	142	35016	18.581 ug/l	92
12) Methyl Acetate	2.75	43	44905	19.135 ug/l	95
13) Acrolein	2.28	56	21718	100.508 ug/l	98
14) Acrylonitrile	3.12	53	108219	98.157 ug/l	100
15) Acetone	2.42	58	31681	100.311 ug/l	98
16) Carbon Disulfide	2.55	76	119755	18.175 ug/l	100
17) Allyl chloride	2.71	41	54620	18.445 ug/l	100
18) Methylene Chloride	2.84	84	51296	18.974 ug/l	98
19) trans-1,2-Dichloroethene	3.14	96	50504	18.241 ug/l	97
20) Diisopropyl ether	3.82	45	112771	18.799 ug/l	97
21) 1,1-Dichloroethane	3.67	63	82196	18.663 ug/l	99
22) cis-1,2-Dichloroethene	4.56	96	58961	18.384 ug/l	98
23) tert-Butyl Alcohol	3.02	59	52217	97.693 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	139507	18.611 ug/l	99
25) Chloroform	5.18	83	91405	18.731 ug/l	99
26) Cyclohexane	5.56	56	63839	18.653 ug/l	# 99
29) 1,1-Dichloropropene	5.77	75	68835	18.665 ug/l	98
30) 2-Butanone	4.64	43	147838	100.626 ug/l	99
31) 2,2-Dichloropropane	4.55	77	78799	18.675 ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	81645	18.419 ug/l	98
33) Carbon Tetrachloride	5.76	117	69142	17.975 ug/l	94
34) Benzene	6.12	78	203576	18.761 ug/l	98
35) Methacrylonitrile	5.00	41	31772	19.977 ug/l	97
36) 1,2-Dichloroethane	6.17	62	70709	18.996 ug/l	100
37) Trichloroethene	7.19	130	58327	18.701 ug/l	98
38) Methylcyclohexane	7.44	83	77532	18.756 ug/l	99
39) 1,2-Dichloropropane	7.49	63	48805	19.376 ug/l	95
40) Dibromomethane	7.63	93	36912	18.883 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	71943	18.615	ug/l	98
42) Vinyl Acetate	3.78	43	546018	95.515	ug/l	100
43) Ethyl Acetate	4.79	43	58252	18.900	ug/l	99
44) Isopropyl Acetate	6.42	43	99524	19.284	ug/l	99
45) 1,4-Dioxane	7.73	88	20286	373.949	ug/l	99
46) Methyl methacrylate	7.74	41	46028	18.843	ug/l	97
47) n-amyl Acetate	10.88	43	77351	18.685	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	79324	18.334	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	85857	18.648	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	53565	18.918	ug/l	98
51) Ethyl methacrylate	9.16	69	77323	18.716	ug/l	99
52) 1,3-Dichloropropane	9.35	76	88538	19.195	ug/l	100
53) Dibromochloromethane	9.56	129	56302	17.863	ug/l	99
54) 1,2-Dibromoethane	9.65	107	58052	18.868	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	222133	100.608	ug/l	100
56) Bromoform	10.84	173	35844	16.266	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	298561	102.538	ug/l	100
59) 2-Hexanone	9.47	43	224666	103.545	ug/l	99
61) Tetrachloroethene	9.32	164	50594	18.471	ug/l	92
62) Toluene	8.76	91	234268	19.305	ug/l	98
64) Chlorobenzene	10.12	112	142983	18.955	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	51988	18.950	ug/l	99
66) Ethyl Benzene	10.23	91	252343	18.967	ug/l	99
67) m/p-Xylenes	10.34	106	191853	37.813	ug/l	99
68) o-Xylene	10.68	106	90919	18.789	ug/l	99
69) Styrene	10.70	104	150005	18.399	ug/l	99
70) Isopropylbenzene	11.00	105	244417	18.785	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	70960	18.891	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	66973m	19.827	ug/l	
73) Bromobenzene	11.24	156	59490	18.708	ug/l	98
74) n-propylbenzene	11.34	91	278379	18.896	ug/l	100
75) 2-Chlorotoluene	11.40	91	159053	19.086	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	198505	18.801	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	23991	17.884	ug/l	96
78) 4-Chlorotoluene	11.49	91	184630	18.854	ug/l	100
79) tert-butylbenzene	11.76	119	193898	18.650	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	195459	18.624	ug/l	100
81) sec-Butylbenzene	11.93	105	233121	18.950	ug/l	99
82) p-Isopropyltoluene	12.05	119	212014	18.700	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	102412	18.020	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	103774	17.984	ug/l	98
85) n-Butylbenzene	12.37	91	188759	18.594	ug/l	99
86) Hexachloroethane	12.58	117	31304	17.976	ug/l	100
87) 1,2-Dichlorobenzene	12.37	146	99361	18.262	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	15647	18.405	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	69307	17.701	ug/l	98
90) Hexachlorobutadiene	13.76	225	31151	18.764	ug/l	96
91) Naphthalene	13.82	128	231905	18.092	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	67216	17.846	ug/l	98

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

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