

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019119.D
 Acq On : 26 Oct 2020 15:02
 Operator : JC/SP
 Sample : VX1026WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1026WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:14 PM

Quant Time: Oct 27 05:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	42830	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	247242	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	223211	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	87598	30.71	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.37%
60) 4-Bromofluorobenzene	11.12	95	102419	30.57	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.90%
63) Toluene-d8	8.70	98	293148	29.75	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	39198	18.211	ug/l 100
3) Chloromethane	1.31	50	35557	18.283	ug/l 98
4) Vinyl Chloride	1.39	62	46685	18.315	ug/l 98
5) Bromomethane	1.64	94	42850	21.866	ug/l 99
6) Chloroethane	1.72	64	31615	18.303	ug/l 99
7) Trichlorofluoromethane	1.92	101	82135	18.505	ug/l 99
8) Diethyl Ether	2.17	74	31794	19.110	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42092	19.847	ug/l 100
10) 1,1-Dichloroethene	2.36	96	41342	19.175	ug/l 99
11) Methyl Iodide	2.49	142	40604	21.672	ug/l 96
12) Methyl Acetate	2.75	43	42237	19.789	ug/l 99
13) Acrolein	2.27	56	21339	108.581	ug/l 91
14) Acrylonitrile	3.11	53	99387	99.117	ug/l 99
15) Acetone	2.42	58	32172	112.002	ug/l 96
16) Carbon Disulfide	2.55	76	95271	15.898	ug/l 100
17) Allyl chloride	2.70	41	52399	19.456	ug/l 96
18) Methylene Chloride	2.83	84	48435	19.699	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	46484	18.460	ug/l 98
20) Diisopropyl ether	3.82	45	106008	19.430	ug/l 95
21) 1,1-Dichloroethane	3.67	63	77211	19.276	ug/l 100
22) cis-1,2-Dichloroethene	4.56	96	55438	19.006	ug/l 98
23) tert-Butyl Alcohol	3.01	59	51705	106.361	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	132994	19.508	ug/l 100
25) Chloroform	5.17	83	86227	19.428	ug/l 98
26) Cyclohexane	5.54	56	56097	18.022	ug/l # 98
29) 1,1-Dichloropropene	5.76	75	61687	17.686	ug/l 99
30) 2-Butanone	4.63	43	137603	99.029	ug/l 99
31) 2,2-Dichloropropane	4.54	77	75483	18.914	ug/l 100
32) 1,1,1-Trichloroethane	5.45	97	76996	18.366	ug/l 99
33) Carbon Tetrachloride	5.74	117	65607	18.033	ug/l 99
34) Benzene	6.10	78	188460	18.364	ug/l 96
35) Methacrylonitrile	5.00	41	28665	19.056	ug/l 97
36) 1,2-Dichloroethane	6.16	62	65274	18.541	ug/l 100
37) Trichloroethene	7.18	130	54880	18.604	ug/l 99
38) Methylcyclohexane	7.43	83	70250	17.968	ug/l 99
39) 1,2-Dichloropropane	7.48	63	45498	19.099	ug/l 97
40) Dibromomethane	7.63	93	34557	18.691	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	68243	18.670	ug/l	97
42) Vinyl Acetate	3.78	43	503405	93.109	ug/l	100
43) Ethyl Acetate	4.79	43	53652	18.406	ug/l	99
44) Isopropyl Acetate	6.40	43	91182	18.680	ug/l	100
45) 1,4-Dioxane	7.72	88	20455	398.683	ug/l	97
46) Methyl methacrylate	7.74	41	42237	18.282	ug/l	98
47) n-amyl Acetate	10.88	43	72421	18.497	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	74012	18.087	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	79939	18.358	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	50642	18.911	ug/l	99
51) Ethyl methacrylate	9.16	69	70772	18.112	ug/l	96
52) 1,3-Dichloropropane	9.35	76	82085	18.816	ug/l	100
53) Dibromochloromethane	9.56	129	54836	18.395	ug/l	99
54) 1,2-Dibromoethane	9.65	107	52075	17.896	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	191829	91.864	ug/l	100
56) Bromoform	10.84	173	37895	18.183	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	271239	96.360	ug/l	100
59) 2-Hexanone	9.47	43	207886	99.108	ug/l	99
61) Tetrachloroethene	9.32	164	51352	19.392	ug/l	95
62) Toluene	8.76	91	213789	18.224	ug/l	98
64) Chlorobenzene	10.12	112	135747	18.615	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	48855	18.421	ug/l	98
66) Ethyl Benzene	10.23	91	236385	18.379	ug/l	98
67) m/p-Xylenes	10.34	106	183884	37.489	ug/l	100
68) o-Xylene	10.68	106	87877	18.785	ug/l	99
69) Styrene	10.70	104	147438	18.706	ug/l	99
70) Isopropylbenzene	11.00	105	237176	18.856	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	73908	20.353	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	67976m	20.816	ug/l	
73) Bromobenzene	11.24	156	58500	19.030	ug/l	99
74) n-propylbenzene	11.34	91	275587	19.350	ug/l	99
75) 2-Chlorotoluene	11.40	91	157277	19.523	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	196285	19.231	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	23618	18.211	ug/l	95
78) 4-Chlorotoluene	11.49	91	184386	19.477	ug/l	100
79) tert-butylbenzene	11.75	119	191501	19.053	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	196377	19.355	ug/l	100
81) sec-Butylbenzene	11.93	105	235282	19.784	ug/l	99
82) p-Isopropyltoluene	12.05	119	215010	19.617	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	108329	19.717	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	110873	19.875	ug/l	99
85) n-Butylbenzene	12.37	91	193897	19.757	ug/l	99
86) Hexachloroethane	12.58	117	31219	18.544	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	105933	20.140	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	15578	18.954	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	74229	19.610	ug/l	99
90) Hexachlorobutadiene	13.77	225	32550	20.281	ug/l	98
91) Naphthalene	13.82	128	237082	19.133	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	72653	19.953	ug/l	98

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

