

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018486.D
 Acq On : 18 Sep 2020 12:43
 Operator : JC/SP
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:50:45 AM

Quant Time: Sep 21 01:27:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	78219	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	394118	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	366142	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	183088	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	11.12	95	190616	30.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.13%
63) Toluene-d8	8.70	98	491983	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	74329	17.958	ug/l 95
3) Chloromethane	1.31	50	80889	18.399	ug/l 94
4) Vinyl Chloride	1.39	62	85606	18.492	ug/l 98
5) Bromomethane	1.64	94	62019	19.690	ug/l 91
6) Chloroethane	1.72	64	52310	18.591	ug/l 95
7) Trichlorofluoromethane	1.92	101	146765	18.707	ug/l 98
8) Diethyl Ether	2.17	74	48594	19.647	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	76290	19.032	ug/l 98
10) 1,1-Dichloroethene	2.36	96	71657	18.211	ug/l 97
11) Methyl Iodide	2.49	142	80894	21.130	ug/l 94
12) Methyl Acetate	2.75	43	101565	19.609	ug/l 99
13) Acrolein	2.27	56	38534	92.185	ug/l 98
14) Acrylonitrile	3.11	53	225110	95.918	ug/l 97
15) Acetone	2.42	58	58659	91.929	ug/l 88
16) Carbon Disulfide	2.55	76	206856	18.055	ug/l 99
17) Allyl chloride	2.71	41	131181	18.653	ug/l 98
18) Methylene Chloride	2.83	84	87690	18.989	ug/l 95
19) trans-1,2-Dichloroethene	3.14	96	81525	18.661	ug/l 95
20) Diisopropyl ether	3.82	45	274014	19.681	ug/l 94
21) 1,1-Dichloroethane	3.67	63	152388	19.069	ug/l 98
22) cis-1,2-Dichloroethene	4.56	96	91300	18.889	ug/l 96
23) tert-Butyl Alcohol	3.01	59	93539	91.974	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	271244	19.390	ug/l 99
25) Chloroform	5.18	83	162589	19.063	ug/l 96
26) Cyclohexane	5.55	56	117608	18.233	ug/l # 41
29) 1,1-Dichloropropene	5.77	75	118097	19.630	ug/l 98
30) 2-Butanone	4.63	43	314757	95.552	ug/l 98
31) 2,2-Dichloropropane	4.55	77	138233	19.022	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	150401	19.100	ug/l 100
33) Carbon Tetrachloride	5.76	117	139394	18.997	ug/l 96
34) Benzene	6.11	78	326028	18.985	ug/l 95
35) Methacrylonitrile	5.01	41	69548	20.034	ug/l 91
36) 1,2-Dichloroethane	6.16	62	142077	19.991	ug/l # 100
37) Trichloroethene	7.18	130	96186	19.370	ug/l 98
38) Methylcyclohexane	7.44	83	121281	18.926	ug/l 98
39) 1,2-Dichloropropane	7.49	63	88981	19.346	ug/l 96
40) Dibromomethane	7.64	93	65673	19.772	ug/l 100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	131167	19.054	ug/l	97
42) Vinyl Acetate	3.78	43	1206060	98.135	ug/l	100
43) Ethyl Acetate	4.79	43	123169	18.804	ug/l	100
44) Isopropyl Acetate	6.41	43	202275	19.162	ug/l	97
45) 1,4-Dioxane	7.71	88	31718	359.665	ug/l #	90
46) Methyl methacrylate	7.74	41	98722	19.002	ug/l	88
47) n-amyl Acetate	10.88	43	168574	18.174	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	144796	19.581	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	150902	19.426	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	92042	19.887	ug/l	97
51) Ethyl methacrylate	9.16	69	128065	19.101	ug/l	98
52) 1,3-Dichloropropane	9.35	76	148539	19.336	ug/l	98
53) Dibromochloromethane	9.56	129	108744	18.896	ug/l	99
54) 1,2-Dibromoethane	9.65	107	96839	19.073	ug/l	97
55) 2-Chloroethyl vinyl ether	8.29	63	326989	93.395	ug/l	99
56) Bromoform	10.84	173	81058	18.538	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	619888	98.433	ug/l	99
59) 2-Hexanone	9.47	43	464991	97.482	ug/l	99
61) Tetrachloroethene	9.32	164	92925	20.350	ug/l	90
62) Toluene	8.76	91	363072	19.704	ug/l	98
64) Chlorobenzene	10.12	112	231816	19.577	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.20	131	96326	20.086	ug/l	95
66) Ethyl Benzene	10.23	91	399379	19.615	ug/l	95
67) m/p-Xylenes	10.34	106	310431	39.868	ug/l	97
68) o-Xylene	10.68	106	142996	19.436	ug/l	99
69) Styrene	10.70	104	248010	19.321	ug/l	99
70) Isopropylbenzene	11.00	105	399338	19.518	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	131782	19.710	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	130719m	20.349	ug/l	
73) Bromobenzene	11.24	156	105310	18.788	ug/l	97
74) n-propylbenzene	11.34	91	459049	19.054	ug/l	98
75) 2-Chlorotoluene	11.40	91	282671	19.359	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	340848	19.122	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	45981	18.419	ug/l	96
78) 4-Chlorotoluene	11.49	91	333469	19.145	ug/l	99
79) tert-butylbenzene	11.76	119	325487	18.956	ug/l	96
80) 1,2,4-Trimethylbenzene	11.79	105	351080	19.915	ug/l	99
81) sec-Butylbenzene	11.93	105	376421	18.769	ug/l	100
82) p-Isopropyltoluene	12.05	119	360457	19.276	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	194260	19.383	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	194841	19.443	ug/l	97
85) n-Butylbenzene	12.37	91	314020	19.074	ug/l	99
86) Hexachloroethane	12.58	117	68694	18.658	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	187098	19.937	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	31686	18.525	ug/l	92
89) 1,2,4-Trichlorobenzene	13.63	180	127358	20.059	ug/l	98
90) Hexachlorobutadiene	13.76	225	54529	20.304	ug/l	92
91) Naphthalene	13.82	128	372446	18.796	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	122116	19.441	ug/l	100

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

