

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016997.D
 Acq On : 26 Jun 2020 22:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:48 PM

Quant Time: Jun 27 02:49:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	58464	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.82	114	315130	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.09	117	288780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	135321	29.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.13%
60) 4-Bromofluorobenzene	11.12	95	146804	30.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.60%
63) Toluene-d8	8.70	98	384105	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	62364	21.936	ug/l 95
3) Chloromethane	1.31	50	72740	18.867	ug/l 97
4) Vinyl Chloride	1.39	62	70424	17.912	ug/l 93
5) Bromomethane	1.64	94	46621	16.469	ug/l 99
6) Chloroethane	1.72	64	42018	16.571	ug/l 100
7) Trichlorofluoromethane	1.92	101	102496	16.030	ug/l 100
8) Diethyl Ether	2.17	74	38135	16.391	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	56786	16.734	ug/l 93
10) 1,1-Dichloroethene	2.36	96	57053	17.046	ug/l 94
11) Methyl Iodide	2.49	142	63018	14.102	ug/l 99
12) Methyl Acetate	2.75	43	72051	17.067	ug/l 100
13) Acrolein	2.27	56	53163	79.804	ug/l 99
14) Acrylonitrile	3.11	53	169015	84.526	ug/l 98
15) Acetone	2.42	58	41935	81.040	ug/l 97
16) Carbon Disulfide	2.55	76	181007	17.204	ug/l 99
17) Allyl chloride	2.70	41	112355	17.933	ug/l 94
18) Methylene Chloride	2.83	84	70833	17.571	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	69070	18.214	ug/l 98
20) Diisopropyl ether	3.82	45	226889	18.120	ug/l 96
21) 1,1-Dichloroethane	3.67	63	122898	17.800	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	79640	18.863	ug/l 95
23) tert-Butyl Alcohol	3.00	59	70869	80.011	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	207782	17.387	ug/l 98
25) Chloroform	5.17	83	127771	18.252	ug/l 99
26) Cyclohexane	5.54	56	105678	17.546	ug/l # 100
29) 1,1-Dichloropropene	5.76	75	92814	18.080	ug/l 99
30) 2-Butanone	4.63	43	227106	84.873	ug/l 99
31) 2,2-Dichloropropane	4.55	77	91054	15.466	ug/l 99
32) 1,1,1-Trichloroethane	5.45	97	111704	17.983	ug/l 98
33) Carbon Tetrachloride	5.74	117	103557	18.798	ug/l 97
34) Benzene	6.10	78	272156	18.207	ug/l 98
35) Methacrylonitrile	5.00	41	51559	17.459	ug/l 93
36) 1,2-Dichloroethane	6.15	62	103343	18.052	ug/l 99
37) Trichloroethene	7.18	130	92180	22.600	ug/l 91
38) Methylcyclohexane	7.43	83	99956	17.097	ug/l 97
39) 1,2-Dichloropropane	7.49	63	71352	18.322	ug/l 90
40) Dibromomethane	7.63	93	47053	17.531	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	100426	18.069	ug/l	94
42) Vinyl Acetate	3.78	43	950192	88.118	ug/l	100
43) Ethyl Acetate	4.79	43	92422	16.675	ug/l	100
44) Isopropyl Acetate	6.40	43	151631	16.597	ug/l	100
45) 1,4-Dioxane	7.71	88	32185	349.197	ug/l	97
46) Methyl methacrylate	7.74	41	73945	17.490	ug/l	92
47) n-amyl Acetate	10.88	43	128733	15.941	ug/l	96
48) t-1,3-Dichloropropene	9.02	75	103927	16.912	ug/l	97
49) cis-1,3-Dichloropropene	8.41	75	113935	17.642	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	68233	18.216	ug/l	99
51) Ethyl methacrylate	9.15	69	97905	17.031	ug/l	96
52) 1,3-Dichloropropane	9.35	76	116193	18.068	ug/l	98
53) Dibromochloromethane	9.56	129	78860	18.317	ug/l	98
54) 1,2-Dibromoethane	9.65	107	72781	18.311	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	287559	95.058	ug/l	99
56) Bromoform	10.84	173	51818	16.955	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	457166	85.943	ug/l	98
59) 2-Hexanone	9.47	43	332941	83.865	ug/l	99
61) Tetrachloroethene	9.32	164	70024	19.014	ug/l	97
62) Toluene	8.76	91	289797	18.348	ug/l	98
64) Chlorobenzene	10.12	112	185604	18.757	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	69869	18.756	ug/l	99
66) Ethyl Benzene	10.23	91	316248	18.055	ug/l	99
67) m/p-Xylenes	10.34	106	243209	36.808	ug/l	99
68) o-Xylene	10.68	106	116564	18.365	ug/l	98
69) Styrene	10.70	104	200092	18.412	ug/l	97
70) Isopropylbenzene	11.00	105	312270	18.139	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	93906	17.762	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	92882m	18.294	ug/l	
73) Bromobenzene	11.24	156	79016	18.187	ug/l	96
74) n-propylbenzene	11.34	91	366705	17.940	ug/l	100
75) 2-Chlorotoluene	11.40	91	218513	18.333	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	263680	18.248	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	31081	15.106	ug/l	92
78) 4-Chlorotoluene	11.49	91	260715	18.474	ug/l	98
79) tert-butylbenzene	11.76	119	248310	17.938	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	267917	18.468	ug/l	100
81) sec-Butylbenzene	11.93	105	301951	18.016	ug/l	98
82) p-Isopropyltoluene	12.05	119	274228	18.121	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	148090	19.020	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	147099	18.804	ug/l	99
85) n-Butylbenzene	12.37	91	245146	17.502	ug/l	99
86) Hexachloroethane	12.58	117	52949	17.879	ug/l	95
87) 1,2-Dichlorobenzene	12.37	146	136395	18.716	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	20999	17.457	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	90467	18.400	ug/l	95
90) Hexachlorobutadiene	13.77	225	33486	17.904	ug/l	95
91) Naphthalene	13.82	128	283357	17.583	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	90799	18.924	ug/l	98

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

