

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064315.D
 Acq On : 26 Oct 2020 21:26
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 2:21:40 PM

Quant Time: Oct 27 02:52:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 17:44:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45605	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	257090	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	234041	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	132911	32.39	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.97%
60) 4-Bromofluorobenzene	12.38	95	127943	30.56	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.87%
63) Toluene-d8	10.06	98	321395	30.79	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	73660	19.749 ug/l	92
3) Chloromethane	2.04	50	65530	18.803 ug/l	98
4) Vinyl Chloride	2.16	62	65171	19.180 ug/l	98
5) Bromomethane	2.53	94	42496	20.262 ug/l	98
6) Chloroethane	2.67	64	36832	19.405 ug/l	99
7) Trichlorofluoromethane	2.98	101	107129	20.465 ug/l	93
8) Diethyl Ether	3.37	74	31801	18.964 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52552	19.708 ug/l	95
10) 1,1-Dichloroethene	3.69	96	48863	19.069 ug/l	98
11) Methyl Iodide	3.91	142	68327	18.621 ug/l	95
12) Methyl Acetate	4.28	43	56216	18.321 ug/l #	91
13) Acrolein	3.57	56	17098	84.370 ug/l	95
14) Acrylonitrile	4.93	53	123158	92.279 ug/l	99
15) Acetone	3.78	58	32581	88.747 ug/l	97
16) Carbon Disulfide	4.01	76	142948	18.793 ug/l	97
17) Allyl chloride	4.28	41	92187	18.948 ug/l	97
18) Methylene Chloride	4.50	84	55223	18.925 ug/l	92
19) trans-1,2-Dichloroethene	4.99	96	52764	18.972 ug/l	92
20) Diisopropyl ether	5.90	45	182971	18.580 ug/l	93
21) 1,1-Dichloroethane	5.80	63	103178	18.704 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	59447	18.524 ug/l	99
23) tert-Butyl Alcohol	4.73	59	57750	95.074 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	181753	18.777 ug/l	100
25) Chloroform	7.33	83	111011	19.507 ug/l	93
26) Cyclohexane	7.61	56	85909	19.011 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	82693	18.684 ug/l	97
30) 2-Butanone	6.78	43	188056	90.175 ug/l #	96
31) 2,2-Dichloropropane	6.78	77	89596	16.852 ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	105773	19.092 ug/l	98
33) Carbon Tetrachloride	7.73	117	94092	18.561 ug/l	95
34) Benzene	8.00	78	218966	18.434 ug/l	95
35) Methacrylonitrile	7.13	41	37868	17.388 ug/l	97
36) 1,2-Dichloroethane	8.09	62	101209	19.182 ug/l	98
37) Trichloroethene	8.80	130	61827	19.083 ug/l	89
38) Methylcyclohexane	9.05	83	76201	17.818 ug/l	97
39) 1,2-Dichloropropane	9.08	63	57363	17.888 ug/l	94
40) Dibromomethane	9.18	93	42389	19.045 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	89618	18.643	ug/l	97
42) Vinyl Acetate	5.84	43	802817	90.087	ug/l	99
43) Ethyl Acetate	6.88	43	86437m	20.334	ug/l	
44) Isopropyl Acetate	8.13	43	141186	18.076	ug/l	98
45) 1,4-Dioxane	9.16	88	21561	357.929	ug/l	92
46) Methyl methacrylate	9.16	41	71294	18.705	ug/l	97
47) n-amyl Acetate	12.05	43	114623	17.431	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	95209	17.560	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	100348	18.160	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	55697	18.639	ug/l	91
51) Ethyl methacrylate	10.40	69	81942	17.562	ug/l	99
52) 1,3-Dichloropropane	10.68	76	97099	18.505	ug/l	100
53) Dibromochloromethane	10.87	129	66960	18.348	ug/l	98
54) 1,2-Dibromoethane	10.98	107	57035	17.868	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	214305	92.280	ug/l	99
56) Bromoform	12.10	173	45455	17.373	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	408024	94.233	ug/l	100
59) 2-Hexanone	10.72	43	298379	92.225	ug/l	99
61) Tetrachloroethene	10.60	164	60382	19.347	ug/l	93
62) Toluene	10.13	91	238781	18.522	ug/l	99
64) Chlorobenzene	11.41	112	148046	18.421	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	60461	19.043	ug/l	98
66) Ethyl Benzene	11.48	91	269506	18.292	ug/l	97
67) m/p-Xylenes	11.59	106	198741	36.730	ug/l	96
68) o-Xylene	11.92	106	95733	17.991	ug/l	99
69) Styrene	11.94	104	158848	17.911	ug/l	99
70) Isopropylbenzene	12.22	105	259595	18.399	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	73738	18.343	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	74055m	17.299	ug/l	
73) Bromobenzene	12.50	156	62319	18.017	ug/l	98
74) n-propylbenzene	12.57	91	286380	17.808	ug/l	99
75) 2-Chlorotoluene	12.65	91	182626	18.364	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	217892	18.261	ug/l	97
77) t-1,4-Dichloro-2-butene	12.28	75	27008	16.896	ug/l	93
78) 4-Chlorotoluene	12.75	91	187812	18.047	ug/l	98
79) tert-butylbenzene	12.97	119	174507	17.746	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	220224	18.297	ug/l	99
81) sec-Butylbenzene	13.14	105	227118	17.795	ug/l	100
82) p-Isopropyltoluene	13.26	119	202449	17.317	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	108191	18.008	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	108838	18.039	ug/l	98
85) n-Butylbenzene	13.59	91	176918	17.355	ug/l	97
86) Hexachloroethane	13.85	117	38416	17.621	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	107845	18.229	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18776	18.478	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	57765	17.233	ug/l	99
90) Hexachlorobutadiene	14.98	225	31772	17.610	ug/l	94
91) Naphthalene	15.10	128	182204	18.006	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	56208	17.359	ug/l	98

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

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