

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057581.D
 Acq On : 30 Aug 2019 11:15
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083019

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:46 AM

Quant Time: Aug 31 00:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	103486	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	634209	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	552555	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	241689	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	12.40	95	240421	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	772344	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	130289	23.672 ug/l	98
3) Chloromethane	2.06	50	106536	21.876 ug/l	98
4) Vinyl Chloride	2.19	62	157035	20.784 ug/l	97
5) Bromomethane	2.56	94	149678	21.565 ug/l	99
6) Chloroethane	2.70	64	98846	19.328 ug/l	95
7) Trichlorofluoromethane	3.01	101	327991	19.646 ug/l	100
8) Diethyl Ether	3.40	74	103892	19.343 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	196847	19.700 ug/l	95
10) 1,1-Dichloroethene	3.72	96	177427	19.329 ug/l	99
11) Methyl Iodide	3.93	142	290599	18.313 ug/l	99
12) Methyl Acetate	4.31	43	96716	19.541 ug/l	94
13) Acrolein	3.59	56	58141	92.186 ug/l	93
14) Acrylonitrile	4.98	53	195408	100.489 ug/l #	90
15) Acetone	3.81	58	102593	97.752 ug/l	94
16) Carbon Disulfide	4.03	76	214736	22.422 ug/l	98
17) Allyl chloride	4.30	41	133558	20.392 ug/l	98
18) Methylene Chloride	4.53	84	110871	21.023 ug/l	93
19) trans-1,2-Dichloroethene	5.02	96	109539	20.896 ug/l	97
20) Diisopropyl ether	5.94	45	305828	19.554 ug/l	98
21) 1,1-Dichloroethane	5.83	63	200753	20.330 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	145581	20.839 ug/l	96
23) tert-Butyl Alcohol	4.80	59	74096	102.747 ug/l	100
24) Methyl tert-Butyl Ether	5.03	73	345986	20.482 ug/l	93
25) Chloroform	7.36	83	243985	20.335 ug/l	99
26) Cyclohexane	7.64	56	163597	19.868 ug/l #	91
29) 1,1-Dichloropropene	7.78	75	165198	19.247 ug/l	99
30) 2-Butanone	6.83	43	265035	95.207 ug/l #	95
31) 2,2-Dichloropropane	6.81	77	198156	19.299 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	218525	18.990 ug/l	98
33) Carbon Tetrachloride	7.76	117	185172	18.966 ug/l	95
34) Benzene	8.03	78	499186	19.399 ug/l	99
35) Methacrylonitrile	7.16	41	46807	16.988 ug/l	93
36) 1,2-Dichloroethane	8.11	62	182620	19.235 ug/l	100
37) Trichloroethene	8.83	130	149041	19.998 ug/l	97
38) Methylcyclohexane	9.07	83	207347	19.834 ug/l	98
39) 1,2-Dichloropropane	9.11	63	119852	19.035 ug/l	96
40) Dibromomethane	9.20	93	96291	19.863 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	186179	18.746	ug/l	99
42) Vinyl Acetate	5.88	43	1216260	98.341	ug/l	98
43) Ethyl Acetate	6.92	43	100660	18.749	ug/l	100
44) Isopropyl Acetate	8.16	43	199299	18.557	ug/l	99
45) 1,4-Dioxane	9.20	88	38726	418.781	ug/l	96
46) Methyl methacrylate	9.19	41	86515	17.369	ug/l	87
47) n-amyl Acetate	12.07	43	162151	18.237	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	181870	18.448	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	199510	18.686	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	127976	18.497	ug/l	98
51) Ethyl methacrylate	10.43	69	168029	18.659	ug/l	87
52) 1,3-Dichloropropane	10.71	76	201812	18.720	ug/l	98
53) Dibromochloromethane	10.90	129	141436	18.156	ug/l	100
54) 1,2-Dibromoethane	11.00	107	135428	18.885	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	197104	89.174	ug/l	97
56) Bromoform	12.13	173	87301	17.138	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	557046	99.765	ug/l	97
59) 2-Hexanone	10.75	43	380498	96.380	ug/l	93
61) Tetrachloroethene	10.63	164	138931	19.667	ug/l	99
62) Toluene	10.15	91	584139	20.849	ug/l	99
64) Chlorobenzene	11.43	112	357787	19.830	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	138868	19.395	ug/l	98
66) Ethyl Benzene	11.51	91	641228	21.274	ug/l	99
67) m/p-Xylenes	11.62	106	476990	39.553	ug/l	100
68) o-Xylene	11.95	106	232076	19.153	ug/l	98
69) Styrene	11.96	104	377295	19.646	ug/l	98
70) Isopropylbenzene	12.25	105	640082	21.074	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	157836	19.537	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	133839m	19.515	ug/l	
73) Bromobenzene	12.53	156	150931	19.439	ug/l	96
74) n-propylbenzene	12.59	91	671190	21.437	ug/l	100
75) 2-Chlorotoluene	12.68	91	406950	20.123	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	539365	20.985	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38986	17.948	ug/l	95
78) 4-Chlorotoluene	12.78	91	390041	20.049	ug/l	99
79) tert-butylbenzene	12.99	119	472285	20.105	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	517297	21.350	ug/l	98
81) sec-Butylbenzene	13.17	105	598367	20.954	ug/l	100
82) p-Isopropyltoluene	13.29	119	519460	20.513	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	242562	19.314	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	236950	19.671	ug/l	98
85) n-Butylbenzene	13.62	91	404179	20.494	ug/l	98
86) Hexachloroethane	13.88	117	88291	18.232	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	246362	20.410	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22829	18.817	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	101416	22.801	ug/l	99
90) Hexachlorobutadiene	15.01	225	84666	22.131	ug/l	96
91) Naphthalene	15.13	128	284135	22.952	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	102320	23.221	ug/l	94

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

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