

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057439.D
 Acq On : 22 Aug 2019 17:52
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:05 PM

Quant Time: Aug 23 04:33:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	612961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	144556	30.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.14%	
35) Dibromofluoromethane	7.57	113	97267	20.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.76%	
50) Toluene-d8	10.08	98	378899	22.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.06%	
62) 4-Bromofluorobenzene	12.40	95	114441	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	99367	27.590	ug/l	96
3) Chloromethane	2.05	50	133537	30.512	ug/l	99
4) Vinyl Chloride	2.17	62	164178	37.055	ug/l	99
5) Bromomethane	2.55	94	99052	32.478	ug/l	94
6) Chloroethane	2.69	64	106040	35.844	ug/l	94
7) Trichlorofluoromethane	3.00	101	256815	37.505	ug/l	98
8) Diethyl Ether	3.39	74	91783	35.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131253	33.542	ug/l	98
10) Methyl Iodide	3.92	142	104361	19.279	ug/l	100
11) Tert butyl alcohol	4.79	59	88171	136.584	ug/l	99
12) 1,1-Dichloroethene	3.71	96	136170	34.942	ug/l	98
13) Acrolein	3.58	56	78147	175.698	ug/l	98
14) Allyl chloride	4.29	41	181364	29.973	ug/l	97
15) Acrylonitrile	4.97	53	232218	133.460	ug/l	99
16) Acetone	3.80	43	226025	143.147	ug/l	97
17) Carbon Disulfide	4.02	76	245659	25.370	ug/l	99
18) Methyl Acetate	4.30	43	147631	23.072	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	307962	26.831	ug/l	98
20) Methylene Chloride	4.52	84	99261	23.375	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	88714	23.282	ug/l	97
22) Diisopropyl ether	5.93	45	381395	31.533	ug/l	98
23) Vinyl Acetate	5.87	43	1461471	151.761	ug/l	99
24) 1,1-Dichloroethane	5.82	63	196189	27.404	ug/l	99
25) 2-Butanone	6.82	43	344154	148.422	ug/l	98
26) 2,2-Dichloropropane	6.80	77	167804	28.763	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107362	23.723	ug/l	98
28) Bromochloromethane	7.18	49	118295	34.711	ug/l	96
29) Tetrahydrofuran	7.20	42	227449	153.065	ug/l	98
30) Chloroform	7.36	83	192734	26.009	ug/l	95
31) Cyclohexane	7.63	56	196970	30.168	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	167117	26.809	ug/l	100
36) 1,1-Dichloropropene	7.78	75	141704	22.339	ug/l	100
37) Ethyl Acetate	6.91	43	145997	27.357	ug/l	99
38) Carbon Tetrachloride	7.76	117	137329	21.038	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174092	23.390	ug/l	97
40) Benzene	8.03	78	423646	21.962	ug/l	97
41) Methacrylonitrile	7.16	41	69800	28.661	ug/l	96
42) 1,2-Dichloroethane	8.11	62	161359	24.634	ug/l	98
43) Isopropyl Acetate	8.16	43	258037	22.485	ug/l	100
44) Trichloroethene	8.82	130	95949	18.230	ug/l	98
45) 1,2-Dichloropropane	9.11	63	118099	23.439	ug/l	98
46) Dibromomethane	9.20	93	71306	21.432	ug/l	97
47) Bromodichloromethane	9.39	83	153021	23.030	ug/l	96
48) Methyl methacrylate	9.19	41	119739	26.778	ug/l	99
49) 1,4-Dioxane	9.20	88	31388	366.757	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	721038	130.189	ug/l	100
52) Toluene	10.15	92	247167	20.817	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	159846	22.340	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177159	22.511	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96359	20.654	ug/l	99
56) Ethyl methacrylate	10.43	69	156337	22.615	ug/l	98
57) 1,3-Dichloropropane	10.70	76	173502	21.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	175751	99.080	ug/l	100
59) 2-Hexanone	10.75	43	493957	125.545	ug/l	99
60) Dibromochloromethane	10.90	129	101421	19.585	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97326	19.709	ug/l	99
64) Tetrachloroethene	10.63	164	87491	17.038	ug/l	94
65) Chlorobenzene	11.43	112	239256	19.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91806	19.359	ug/l	99
67) Ethyl Benzene	11.51	91	458305	20.686	ug/l	100
68) m/p-Xylenes	11.62	106	321188	39.842	ug/l	100
69) o-Xylene	11.95	106	160301	20.227	ug/l	98
70) Styrene	11.96	104	250578	19.829	ug/l	99
71) Bromoform	12.13	173	58243	15.928	ug/l #	95
73) Isopropylbenzene	12.25	105	426541	22.216	ug/l	99
74) N-amyl acetate	12.07	43	198978	32.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	125809	22.409	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	112596m	23.387	ug/l	
77) Bromobenzene	12.53	156	86771	17.914	ug/l	99
78) n-propylbenzene	12.59	91	456375	23.600	ug/l	99
79) 2-Chlorotoluene	12.68	91	280048	22.681	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	342330	22.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40893	24.872	ug/l	97
82) 4-Chlorotoluene	12.77	91	263474	23.091	ug/l	99
83) tert-Butylbenzene	13.00	119	293236	20.640	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	321876	22.447	ug/l	100
85) sec-Butylbenzene	13.17	105	373328	21.730	ug/l	99
86) p-Isopropyltoluene	13.29	119	311334	21.349	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	126322	18.713	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	120999	18.740	ug/l	98
89) n-Butylbenzene	13.62	91	256532	23.915	ug/l	100
90) Hexachloroethane	13.88	117	68946	22.642	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	124946	19.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20085	27.161	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34059	16.172	ug/l	97
94) Hexachlorobutadiene	15.01	225	37552	13.480	ug/l	98
95) Naphthalene	15.13	128	116673	23.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	34678	17.129	ug/l	99

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

