

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058154.D
 Acq On : 18 Sep 2019 10:05
 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
 9/20/2019 1:14:19 PM

Quant Time: Sep 19 01:57:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	606946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1008309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	159773	13.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.74%	
35) Dibromofluoromethane	7.58	113	114512	13.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.30%	
50) Toluene-d8	10.08	98	458756	13.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.28%	
62) 4-Bromofluorobenzene	12.40	95	162426	12.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95642	12.334	ug/l	97
3) Chloromethane	2.04	50	79516	10.120	ug/l	96
4) Vinyl Chloride	2.17	62	85467	10.289	ug/l	100
5) Bromomethane	2.55	94	42088	8.575	ug/l	97
6) Chloroethane	2.69	64	57661	10.836	ug/l	96
7) Trichlorofluoromethane	3.00	101	126842	12.004	ug/l	100
8) Diethyl Ether	3.39	74	57621	12.829	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92481	13.697	ug/l	99
10) Methyl Iodide	3.93	142	73573	10.278	ug/l	98
11) Tert butyl alcohol	4.76	59	95412	69.643	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	75284	12.435	ug/l	95
13) Acrolein	3.59	56	13119	12.664	ug/l #	64
14) Allyl chloride	4.30	41	146514	12.306	ug/l	100
15) Acrylonitrile	4.96	53	263852	68.573	ug/l	100
16) Acetone	3.79	43	276694	73.158	ug/l	99
17) Carbon Disulfide	4.03	76	96733	8.765	ug/l	99
18) Methyl Acetate	4.30	43	140672	13.897	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	356388	14.069	ug/l	99
20) Methylene Chloride	4.53	84	102719	12.495	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	80248	12.261	ug/l	99
22) Diisopropyl ether	5.93	45	390939	14.003	ug/l	97
23) Vinyl Acetate	5.87	43	1384687	70.389	ug/l	100
24) 1,1-Dichloroethane	5.83	63	208116	13.659	ug/l	99
25) 2-Butanone	6.82	43	382334	69.792	ug/l	99
26) 2,2-Dichloropropane	6.81	77	169944	14.055	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	115458	13.099	ug/l	98
28) Bromochloromethane	7.18	49	90834	11.937	ug/l #	100
29) Tetrahydrofuran	7.19	42	233479	69.158	ug/l	98
30) Chloroform	7.36	83	219260	13.725	ug/l	99
31) Cyclohexane	7.64	56	146204	13.026	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	173745	13.724	ug/l	99
36) 1,1-Dichloropropene	7.78	75	132011	12.047	ug/l	99
37) Ethyl Acetate	6.91	43	145684	12.826	ug/l	99
38) Carbon Tetrachloride	7.76	117	133548	13.293	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	133723	11.638	ug/l	98
40) Benzene	8.03	78	420246	12.738	ug/l	99
41) Methacrylonitrile	7.15	41	64778m	12.578	ug/l	
42) 1,2-Dichloroethane	8.11	62	176296	13.317	ug/l	99
43) Isopropyl Acetate	8.15	43	264044	13.818	ug/l #	90
44) Trichloroethene	8.82	130	102026	12.573	ug/l	99
45) 1,2-Dichloropropane	9.11	63	130085	13.500	ug/l	97
46) Dibromomethane	9.20	93	77649	13.349	ug/l	99
47) Bromodichloromethane	9.39	83	163545	14.120	ug/l	97
48) Methyl methacrylate	9.19	41	125292	13.000	ug/l	99
49) 1,4-Dioxane	9.19	88	39571	241.614	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	802896	71.812	ug/l	98
52) Toluene	10.15	92	264689	12.752	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	166170	13.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	182758	13.591	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	122551	13.921	ug/l	97
56) Ethyl methacrylate	10.43	69	173920	13.187	ug/l	98
57) 1,3-Dichloropropane	10.71	76	207784	13.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	386214	62.769	ug/l	98
59) 2-Hexanone	10.75	43	575541	68.852	ug/l	99
60) Dibromochloromethane	10.90	129	114510	14.029	ug/l	98
61) 1,2-Dibromoethane	11.00	107	111438	13.426	ug/l	99
64) Tetrachloroethene	10.63	164	80680	12.529	ug/l	100
65) Chlorobenzene	11.43	112	306469	13.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	113492	14.351	ug/l	99
67) Ethyl Benzene	11.51	91	540334	13.576	ug/l	100
68) m/p-Xylenes	11.62	106	401832	27.572	ug/l	98
69) o-Xylene	11.95	106	195694	13.548	ug/l	99
70) Styrene	11.97	104	348035	14.003	ug/l	99
71) Bromoform	12.13	173	70504	14.353	ug/l #	100
73) Isopropylbenzene	12.25	105	562516	17.052	ug/l	99
74) N-amyl acetate	12.07	43	230089	16.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	185115	16.677	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	152394m	15.956	ug/l	
77) Bromobenzene	12.53	156	134686	16.288	ug/l	96
78) n-propylbenzene	12.60	91	653621	17.280	ug/l	99
79) 2-Chlorotoluene	12.68	91	391160	16.321	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	481047	17.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41883	15.501	ug/l	93
82) 4-Chlorotoluene	12.78	91	409025	16.617	ug/l	99
83) tert-Butylbenzene	13.00	119	422052	17.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	482120	17.048	ug/l	100
85) sec-Butylbenzene	13.18	105	563329	17.165	ug/l	99
86) p-Isopropyltoluene	13.29	119	507686	17.581	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	254001	16.816	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	249452	16.214	ug/l	97
89) n-Butylbenzene	13.62	91	469149	17.144	ug/l	100
90) Hexachloroethane	13.88	117	72531	16.794	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	253674	16.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	32818	17.826	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	157929	15.796	ug/l	100
94) Hexachlorobutadiene	15.01	225	80346	18.743	ug/l	97
95) Naphthalene	15.13	128	424679	14.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	149361	15.273	ug/l	100

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

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