

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057800.D
 Acq On : 9 Sep 2019 15:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:29:55 PM

Quant Time: Sep 10 02:46:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	255492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	424143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	206828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	21848	3.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.30%	
35) Dibromofluoromethane	7.57	113	16392	4.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.50%	
50) Toluene-d8	10.09	98	58084	4.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.04%	
62) 4-Bromofluorobenzene	12.40	95	23055	3.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	11227	2.826	ug/l	100
3) Chloromethane	2.03	50	14304	2.083	ug/l	97
4) Vinyl Chloride	2.16	62	13861	3.916	ug/l	99
5) Bromomethane	2.54	94	10198	5.895	ug/l	98
6) Chloroethane	2.68	64	9188	4.345	ug/l	96
7) Trichlorofluoromethane	2.99	101	16592	3.031	ug/l	94
8) Diethyl Ether	3.39	74	6686	3.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10036	2.924	ug/l #	86
10) Methyl Iodide	3.92	142	11512	3.336	ug/l	97
11) Tert butyl alcohol	4.77	59	9404	13.397	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	9858	3.211	ug/l	95
13) Acrolein	3.59	56	7955	21.025	ug/l	99
14) Allyl chloride	4.31	41	15566	2.269	ug/l	90
15) Acrylonitrile	4.98	53	25069	13.982	ug/l	98
16) Acetone	3.80	43	28993	15.340	ug/l	97
17) Carbon Disulfide	4.03	76	19042	2.863	ug/l	97
18) Methyl Acetate	4.31	43	15830	3.094	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	36538	2.814	ug/l	94
20) Methylene Chloride	4.53	84	13124	3.253	ug/l #	93
21) trans-1,2-Dichloroethene	5.02	96	10223m	3.163	ug/l	
22) Diisopropyl ether	5.93	45	40267	2.703	ug/l	92
23) Vinyl Acetate	5.88	43	141541	12.008	ug/l	98
24) 1,1-Dichloroethane	5.82	63	22986	2.996	ug/l	97
25) 2-Butanone	6.83	43	37044	13.729	ug/l	100
26) 2,2-Dichloropropane	6.81	77	16272	2.570	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	13041	3.158	ug/l	94
28) Bromochloromethane	7.18	49	11730	2.890	ug/l #	98
29) Tetrahydrofuran	7.20	42	22163	12.835	ug/l	93
30) Chloroform	7.36	83	23088	2.884	ug/l	93
31) Cyclohexane	7.64	56	23799	3.589	ug/l #	83
32) 1,1,1-Trichloroethane	7.55	97	16861	2.554	ug/l	99
36) 1,1-Dichloropropene	7.78	75	15532	2.829	ug/l	98
37) Ethyl Acetate	6.92	43	14429	2.649	ug/l #	88
38) Carbon Tetrachloride	7.76	117	13219	2.537	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	17423	3.020	ug/l	94
40) Benzene	8.03	78	47962	3.056	ug/l	91
41) Methacrylonitrile	7.15	41	6145	2.304	ug/l #	71
42) 1,2-Dichloroethane	8.11	62	18458	2.565	ug/l	99
43) Isopropyl Acetate	8.16	43	24629	2.368	ug/l #	74
44) Trichloroethene	8.82	130	11944	3.365	ug/l	88
45) 1,2-Dichloropropane	9.12	63	13087	2.969	ug/l	94
46) Dibromomethane	9.20	93	8388	2.995	ug/l	99
47) Bromodichloromethane	9.40	83	15014	2.524	ug/l	99
48) Methyl methacrylate	9.19	41	13575	2.540	ug/l	91
49) 1,4-Dioxane	9.20	88	4855	74.571	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	76720	13.112	ug/l	100
52) Toluene	10.15	92	29390	3.067	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	13135	2.189	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	15607	2.399	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	12044	3.080	ug/l	97
56) Ethyl methacrylate	10.43	69	16807	2.715	ug/l	97
57) 1,3-Dichloropropane	10.71	76	20991	3.004	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	55473	17.645	ug/l	99
59) 2-Hexanone	10.75	43	54311	13.051	ug/l	98
60) Dibromochloromethane	10.90	129	8620	2.288	ug/l	97
61) 1,2-Dibromoethane	11.00	107	10298	2.765	ug/l	97
64) Tetrachloroethene	10.63	164	9669	3.206	ug/l	93
65) Chlorobenzene	11.43	112	31712	3.092	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	9241	2.589	ug/l	99
67) Ethyl Benzene	11.51	91	55886	2.873	ug/l	97
68) m/p-Xylenes	11.62	106	37389	5.524	ug/l	94
69) o-Xylene	11.95	106	18967	2.818	ug/l	87
70) Styrene	11.96	104	31410	2.689	ug/l	99
71) Bromoform	12.13	173	4662	2.028	ug/l #	93
73) Isopropylbenzene	12.25	105	53396	2.979	ug/l	99
74) N-amyl acetate	12.08	43	18620	2.118	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	16619	3.040	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	12576m	2.667	ug/l	
77) Bromobenzene	12.53	156	12693	3.223	ug/l	91
78) n-propylbenzene	12.59	91	60235	2.843	ug/l	99
79) 2-Chlorotoluene	12.68	91	36709	2.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	42239	2.769	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	2562	1.700	ug/l #	68
82) 4-Chlorotoluene	12.78	91	36411	2.729	ug/l	98
83) tert-Butylbenzene	13.00	119	37187	2.867	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	41831	2.765	ug/l	98
85) sec-Butylbenzene	13.17	105	49846	2.802	ug/l	98
86) p-Isopropyltoluene	13.29	119	42208	2.780	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	22286	2.998	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	23249	3.127	ug/l	91
89) n-Butylbenzene	13.62	91	39700	2.668	ug/l	97
90) Hexachloroethane	13.88	117	5536	2.362	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	21997	3.009	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1999	1.909	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	12849	2.943	ug/l	93
94) Hexachlorobutadiene	15.01	225	6390	3.055	ug/l	96
95) Naphthalene	15.13	128	36586	2.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	12172	2.918	ug/l	95

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

