

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059319.D
 Acq On : 20 Nov 2019 11:46
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:36 AM

Quant Time: Nov 21 06:04:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 14:34:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	411832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	22709	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
35) Dibromofluoromethane	7.57	113	17718	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
50) Toluene-d8	10.08	98	69773	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
62) 4-Bromofluorobenzene	12.40	95	22372	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25207	6.075	ug/l	98
3) Chloromethane	2.04	50	30750	5.452	ug/l	97
4) Vinyl Chloride	2.17	62	30518	5.581	ug/l	96
5) Bromomethane	2.54	94	18957	6.024	ug/l	94
6) Chloroethane	2.68	64	18432	5.698	ug/l	100
7) Trichlorofluoromethane	3.00	101	36874	5.637	ug/l	96
8) Diethyl Ether	3.39	74	14592	5.490	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22636	5.740	ug/l	98
10) Methyl Iodide	3.93	142	21088	4.320	ug/l	99
11) Tert butyl alcohol	4.75	59	23629	24.491	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	22597	5.882	ug/l	99
13) Acrolein	3.58	56	20576	41.365	ug/l	99
14) Allyl chloride	4.30	41	41957	5.317	ug/l	99
15) Acrylonitrile	4.96	53	63268	26.350	ug/l	99
16) Acetone	3.79	43	54268	20.614	ug/l	91
17) Carbon Disulfide	4.03	76	70414	5.904	ug/l	98
18) Methyl Acetate	4.30	43	33765	5.404	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	70274	5.313	ug/l	100
20) Methylene Chloride	4.53	84	25105	5.474	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	23404	5.675	ug/l	96
22) Diisopropyl ether	5.92	45	77583	5.205	ug/l #	86
23) Vinyl Acetate	5.87	43	312884	27.084	ug/l	100
24) 1,1-Dichloroethane	5.82	63	44195	5.309	ug/l	99
25) 2-Butanone	6.81	43	81704	23.549	ug/l	98
26) 2,2-Dichloropropane	6.79	77	38438	5.280	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	26566	5.553	ug/l	97
28) Bromochloromethane	7.17	49	9420	3.761	ug/l #	98
29) Tetrahydrofuran	7.19	42	57313	25.997	ug/l	98
30) Chloroform	7.35	83	45802	5.735	ug/l	97
31) Cyclohexane	7.63	56	48876	6.201	ug/l #	79
32) 1,1,1-Trichloroethane	7.55	97	37868	5.640	ug/l	98
36) 1,1-Dichloropropene	7.77	75	32207	5.263	ug/l	99
37) Ethyl Acetate	6.91	43	34346	5.045	ug/l	98
38) Carbon Tetrachloride	7.75	117	32714	5.371	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	40169	5.656	ug/l	96
40) Benzene	8.02	78	98760	5.359	ug/l	100
41) Methacrylonitrile	7.16	41	13563m	4.581	ug/l	
42) 1,2-Dichloroethane	8.11	62	32809	5.191	ug/l	98
43) Isopropyl Acetate	8.15	43	53805	4.957	ug/l	99
44) Trichloroethene	8.82	130	24602	5.431	ug/l	97
45) 1,2-Dichloropropane	9.11	63	26101	5.214	ug/l	98
46) Dibromomethane	9.20	93	16420	5.264	ug/l	100
47) Bromodichloromethane	9.39	83	31947	5.129	ug/l	95
48) Methyl methacrylate	9.19	41	22528	4.640	ug/l	99
49) 1,4-Dioxane	9.19	88	7451	86.360	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	158339	25.783	ug/l	99
52) Toluene	10.15	92	59393	5.377	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	35598	4.947	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	39850	5.148	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	23667	5.294	ug/l	96
56) Ethyl methacrylate	10.42	69	31035	4.677	ug/l	97
57) 1,3-Dichloropropane	10.70	76	39623	5.150	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	45141	18.145	ug/l	100
59) 2-Hexanone	10.75	43	108871	23.096	ug/l	100
60) Dibromochloromethane	10.90	129	22584	4.778	ug/l	99
61) 1,2-Dibromoethane	11.00	107	22850	5.049	ug/l	99
64) Tetrachloroethene	10.63	164	22229	5.755	ug/l	97
65) Chlorobenzene	11.43	112	61188	5.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	22189	5.341	ug/l	97
67) Ethyl Benzene	11.51	91	108788	5.537	ug/l	99
68) m/p-Xylenes	11.62	106	76818	10.437	ug/l	96
69) o-Xylene	11.95	106	38255	5.378	ug/l	95
70) Styrene	11.96	104	54600	4.881	ug/l	99
71) Bromoform	12.13	173	14798	4.580	ug/l #	98
73) Isopropylbenzene	12.25	105	100788	5.997	ug/l	98
74) N-amyl acetate	12.07	43	35379	4.968	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	33134	5.789	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	28026m	5.328	ug/l	
77) Bromobenzene	12.53	156	23920	5.665	ug/l	97
78) n-propylbenzene	12.59	91	109897	5.711	ug/l	100
79) 2-Chlorotoluene	12.68	91	68347	5.725	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	82425	5.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9865	4.954	ug/l	97
82) 4-Chlorotoluene	12.78	91	65582	5.477	ug/l	97
83) tert-Butylbenzene	12.99	119	70553	5.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	80248	5.824	ug/l	100
85) sec-Butylbenzene	13.17	105	93547	5.849	ug/l	100
86) p-Isopropyltoluene	13.29	119	81946	5.803	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	40783	5.640	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	39362	5.441	ug/l	93
89) n-Butylbenzene	13.62	91	67441	5.456	ug/l	100
90) Hexachloroethane	13.88	117	15086	5.320	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	39831	5.600	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7030	5.442	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19433	5.100	ug/l	97
94) Hexachlorobutadiene	15.01	225	14929	6.087	ug/l	97
95) Naphthalene	15.13	128	51508	4.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	21754	5.457	ug/l	98

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

