

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057511.D
 Acq On : 26 Aug 2019 14:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:34 PM

Quant Time: Aug 27 09:13:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	343037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	634123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	572518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	221291	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317614	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	7.57	113	209998	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.08	98	854468	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.40	95	290259	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	186403	46.048	ug/l	96
3) Chloromethane	2.05	50	251115	43.433	ug/l	100
4) Vinyl Chloride	2.17	62	326090	46.338	ug/l	96
5) Bromomethane	2.55	94	196442	45.297	ug/l	97
6) Chloroethane	2.69	64	208889	46.147	ug/l	96
7) Trichlorofluoromethane	3.00	101	505874	46.311	ug/l	98
8) Diethyl Ether	3.39	74	185551	50.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	278955	51.031	ug/l	99
10) Methyl Iodide	3.92	142	200267	44.899	ug/l	99
11) Tert butyl alcohol	4.78	59	161094	214.860	ug/l	96
12) 1,1-Dichloroethene	3.71	96	267885	45.879	ug/l	98
13) Acrolein	3.58	56	215106	326.275	ug/l	100
14) Allyl chloride	4.29	41	352103	45.531	ug/l	96
15) Acrylonitrile	4.97	53	461773	228.379	ug/l	100
16) Acetone	3.79	43	600110	216.548	ug/l	94
17) Carbon Disulfide	4.02	76	442704	39.747	ug/l	100
18) Methyl Acetate	4.30	43	287045	47.958	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	605287	42.944	ug/l	100
20) Methylene Chloride	4.52	84	193791	47.161	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	177978	43.195	ug/l	99
22) Diisopropyl ether	5.93	45	780845	47.134	ug/l	96
23) Vinyl Acetate	5.87	43	2974457	229.874	ug/l	100
24) 1,1-Dichloroethane	5.82	63	402714	45.869	ug/l	99
25) 2-Butanone	6.82	43	710844	236.222	ug/l	100
26) 2,2-Dichloropropane	6.80	77	345833	45.486	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	221055	45.259	ug/l	99
28) Bromochloromethane	7.18	49	218733	46.263	ug/l	96
29) Tetrahydrofuran	7.20	42	460751	232.202	ug/l	99
30) Chloroform	7.36	83	401054	49.237	ug/l	99
31) Cyclohexane	7.63	56	386682	45.617	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	341113	45.293	ug/l	99
36) 1,1-Dichloropropene	7.78	75	297432	45.904	ug/l	100
37) Ethyl Acetate	6.91	43	293888	45.901	ug/l	99
38) Carbon Tetrachloride	7.76	117	274346	42.620	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370167	48.103	ug/l	96
40) Benzene	8.03	78	898371	46.194	ug/l	100
41) Methacrylonitrile	7.16	41	151261	49.545	ug/l	90
42) 1,2-Dichloroethane	8.11	62	345227	46.104	ug/l	100
43) Isopropyl Acetate	8.16	43	519335	44.237	ug/l	99
44) Trichloroethene	8.82	130	201197	46.346	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255318	46.616	ug/l	100
46) Dibromomethane	9.20	93	154978	48.278	ug/l	99
47) Bromodichloromethane	9.39	83	323133	44.720	ug/l	98
48) Methyl methacrylate	9.19	41	258730	46.346	ug/l	97
49) 1,4-Dioxane	9.19	88	61623	853.615	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1509300	230.679	ug/l	99
52) Toluene	10.15	92	543228	48.464	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	349115	46.126	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	377908	44.845	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	210809	46.507	ug/l	99
56) Ethyl methacrylate	10.43	69	339636	47.632	ug/l	99
57) 1,3-Dichloropropane	10.70	76	381214	48.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	556962	278.382	ug/l	98
59) 2-Hexanone	10.75	43	1078673	240.366	ug/l	100
60) Dibromochloromethane	10.90	129	214764	44.834	ug/l	98
61) 1,2-Dibromoethane	11.00	107	212321	47.757	ug/l	98
64) Tetrachloroethene	10.63	164	183296	45.762	ug/l	96
65) Chlorobenzene	11.43	112	538764	46.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198300	44.677	ug/l	98
67) Ethyl Benzene	11.51	91	1057935	47.227	ug/l	98
68) m/p-Xylenes	11.62	106	740309	97.177	ug/l	100
69) o-Xylene	11.95	106	356894	47.292	ug/l	98
70) Styrene	11.96	104	600533	50.255	ug/l	99
71) Bromoform	12.13	173	130499	43.494	ug/l #	98
73) Isopropylbenzene	12.25	105	987913	50.335	ug/l	99
74) N-amyl acetate	12.07	43	438354	47.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286809	50.784	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	247618m	50.598	ug/l	
77) Bromobenzene	12.53	156	202245	49.800	ug/l	100
78) n-propylbenzene	12.59	91	1133685	50.380	ug/l	99
79) 2-Chlorotoluene	12.67	91	659192	49.923	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	820703	50.926	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89991	44.790	ug/l	95
82) 4-Chlorotoluene	12.77	91	660421	50.106	ug/l	99
83) tert-Butylbenzene	12.99	119	687401	51.048	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	792339	46.056	ug/l	99
85) sec-Butylbenzene	13.17	105	921694	50.427	ug/l	100
86) p-Isopropyltoluene	13.29	119	781415	45.176	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	326664	45.701	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	316999	45.285	ug/l	99
89) n-Butylbenzene	13.62	91	709008	48.437	ug/l	99
90) Hexachloroethane	13.88	117	153772	47.331	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	323702	47.439	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47110	44.487	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104381	39.117	ug/l	100
94) Hexachlorobutadiene	15.01	225	92342	53.340	ug/l	98
95) Naphthalene	15.13	128	330703	38.644	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105026	39.292	ug/l	99

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

