

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057540.D
 Acq On : 27 Aug 2019 4:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:53 PM

Quant Time: Aug 27 09:26:32 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	335661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	639095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	573720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	212990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	322896	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
35) Dibromofluoromethane	7.57	113	219629	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.09	98	874241	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.40	95	287810	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	176038	44.443	ug/l	98
3) Chloromethane	2.04	50	242992	42.952	ug/l	95
4) Vinyl Chloride	2.17	62	315740	45.853	ug/l	99
5) Bromomethane	2.54	94	188188	44.347	ug/l	98
6) Chloroethane	2.68	64	204998	46.282	ug/l	97
7) Trichlorofluoromethane	3.00	101	480066	44.915	ug/l	99
8) Diethyl Ether	3.39	74	174432	48.478	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	258735	48.326	ug/l	98
10) Methyl Iodide	3.92	142	202806	46.468	ug/l	99
11) Tert butyl alcohol	4.79	59	155303	211.688	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	257286	45.032	ug/l	99
13) Acrolein	3.58	56	193486	299.930	ug/l	99
14) Allyl chloride	4.29	41	324246	42.852	ug/l	95
15) Acrylonitrile	4.97	53	489075	247.197	ug/l	98
16) Acetone	3.79	43	515024	189.929	ug/l	95
17) Carbon Disulfide	4.02	76	410209	37.639	ug/l	99
18) Methyl Acetate	4.30	43	296844	50.740	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	632424	45.855	ug/l	100
20) Methylene Chloride	4.53	84	187328	46.589	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	183319	45.469	ug/l	98
22) Diisopropyl ether	5.93	45	773073	47.690	ug/l	97
23) Vinyl Acetate	5.87	43	2908900	229.748	ug/l	99
24) 1,1-Dichloroethane	5.82	63	412618	48.030	ug/l	99
25) 2-Butanone	6.82	43	689753	234.250	ug/l	100
26) 2,2-Dichloropropane	6.80	77	241914	32.517	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	226743	47.443	ug/l	96
28) Bromochloromethane	7.18	49	248790	53.776	ug/l	98
29) Tetrahydrofuran	7.20	42	461994	237.945	ug/l	99
30) Chloroform	7.36	83	409017	51.315	ug/l	98
31) Cyclohexane	7.64	56	380662	45.893	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	348655	47.312	ug/l	100
36) 1,1-Dichloropropene	7.78	75	293719	44.978	ug/l	98
37) Ethyl Acetate	6.91	43	299440	46.405	ug/l	100
38) Carbon Tetrachloride	7.76	117	276492	42.619	ug/l	96

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39) Methylcyclohexane	9.07	83	347696	44.831	ug/l	94
40) Benzene	8.03	78	882388	45.019	ug/l	100
41) Methacrylonitrile	7.16	41	153640	49.932	ug/l	87
42) 1,2-Dichloroethane	8.11	62	343347	45.496	ug/l	99
43) Isopropyl Acetate	8.16	43	518525	43.824	ug/l	99
44) Trichloroethene	8.82	130	199897	45.688	ug/l	94
45) 1,2-Dichloropropane	9.11	63	249345	45.171	ug/l	97
46) Dibromomethane	9.20	93	152220	47.040	ug/l	99
47) Bromodichloromethane	9.40	83	322750	44.319	ug/l	100
48) Methyl methacrylate	9.19	41	247623	44.012	ug/l	97
49) 1,4-Dioxane	9.19	88	63573	873.776	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1510342	229.043	ug/l	100
52) Toluene	10.15	92	536477	47.490	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	324533	42.545	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	344141	40.520	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	211720	46.345	ug/l	99
56) Ethyl methacrylate	10.43	69	338352	47.082	ug/l	99
57) 1,3-Dichloropropane	10.70	76	380813	47.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	547287	271.845	ug/l	100
59) 2-Hexanone	10.75	43	1032338	228.251	ug/l	100
60) Dibromochloromethane	10.90	129	214561	44.443	ug/l	98
61) 1,2-Dibromoethane	11.00	107	214378	47.845	ug/l	99
64) Tetrachloroethene	10.63	164	184589	45.988	ug/l	97
65) Chlorobenzene	11.43	112	535985	46.215	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	196030	44.074	ug/l	99
67) Ethyl Benzene	11.51	91	1022914	45.568	ug/l	99
68) m/p-Xylenes	11.62	106	721717	94.538	ug/l	100
69) o-Xylene	11.95	106	355268	46.977	ug/l	100
70) Styrene	11.96	104	588681	49.160	ug/l	100
71) Bromoform	12.13	173	126711	42.143	ug/l #	98
73) Isopropylbenzene	12.25	105	969489	51.406	ug/l	100
74) N-amyl acetate	12.07	43	431242	48.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	279045	51.381	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	241815m	51.397	ug/l	
77) Bromobenzene	12.53	156	194179	49.669	ug/l	99
78) n-propylbenzene	12.59	91	1084925	50.078	ug/l	99
79) 2-Chlorotoluene	12.67	91	648409	51.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	789040	50.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	76489	39.177	ug/l	98
82) 4-Chlorotoluene	12.77	91	630722	49.702	ug/l	99
83) tert-Butylbenzene	12.99	119	673488	52.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	765631	46.238	ug/l	100
85) sec-Butylbenzene	13.17	105	885484	50.329	ug/l	99
86) p-Isopropyltoluene	13.29	119	749347	45.010	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	310113	45.076	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	303639	45.067	ug/l	98
89) n-Butylbenzene	13.62	91	640167	45.439	ug/l	99
90) Hexachloroethane	13.88	117	144483	46.114	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	307532	46.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47032	46.163	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100142	39.009	ug/l	98
94) Hexachlorobutadiene	15.01	225	84684	50.660	ug/l	98
95) Naphthalene	15.13	128	325269	39.396	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100885	39.224	ug/l	99

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

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