

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055172.D
 Acq On : 22 Apr 2019 10:38
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:41 PM

Quant Time: Apr 23 05:13:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	438482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	697549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287664	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	7.59	113	235140	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	10.09	98	865785	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	290859	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	302158	53.520	ug/l 100
3) Chloromethane	2.06	50	354715	51.275	ug/l 100
4) Vinyl Chloride	2.19	62	282243	50.916	ug/l 100
5) Bromomethane	2.56	94	148760	46.274	ug/l 100
6) Chloroethane	2.70	64	143722	47.949	ug/l 100
7) Trichlorofluoromethane	3.02	101	377975	50.106	ug/l 100
8) Diethyl Ether	3.41	74	136909	50.848	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	229092	48.668	ug/l 100
10) Methyl Iodide	3.95	142	349375	55.244	ug/l 100
11) Tert butyl alcohol	4.79	59	85424	250.892	ug/l 100
12) 1,1-Dichloroethene	3.74	96	226054	50.109	ug/l 100
13) Acrolein	3.61	56	121065	261.139	ug/l 100
14) Allyl chloride	4.33	41	447506	50.179	ug/l 100
15) Acrylonitrile	4.99	53	485499	255.492	ug/l 100
16) Acetone	3.81	43	540450	275.460	ug/l 100
17) Carbon Disulfide	4.06	76	650364	51.567	ug/l 100
18) Methyl Acetate	4.33	43	207092	38.245	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	626044	50.193	ug/l 100
20) Methylene Chloride	4.55	84	262336	46.510	ug/l 100
21) trans-1,2-Dichloroethene	5.04	96	240975	50.940	ug/l 100
22) Diisopropyl ether	5.95	45	888680	49.991	ug/l 100
23) Vinyl Acetate	5.90	43	3208483	268.585	ug/l 100
24) 1,1-Dichloroethane	5.85	63	471106	49.269	ug/l 100
25) 2-Butanone	6.84	43	660181	260.633	ug/l 100
26) 2,2-Dichloropropane	6.82	77	319639	49.399	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	271159	49.725	ug/l 100
28) Bromochloromethane	7.19	49	237850	48.798	ug/l 100
29) Tetrahydrofuran	7.21	42	392392	246.468	ug/l 100
30) Chloroform	7.37	83	445485	48.979	ug/l 100
31) Cyclohexane	7.65	56	453346	41.292	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	367305	50.267	ug/l 100
36) 1,1-Dichloropropene	7.79	75	343493	53.055	ug/l 100
37) Ethyl Acetate	6.93	43	265271	49.039	ug/l 100
38) Carbon Tetrachloride	7.77	117	315210	48.727	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385904	49.963	ug/l	100
40) Benzene	8.04	78	1017182	50.895	ug/l	100
41) Methacrylonitrile	7.17	41	149983	56.240	ug/l	100
42) 1,2-Dichloroethane	8.12	62	349927	50.187	ug/l	100
43) Isopropyl Acetate	8.17	43	444976	52.591	ug/l	100
44) Trichloroethene	8.83	130	256057	50.690	ug/l	100
45) 1,2-Dichloropropane	9.12	63	284545	50.437	ug/l	100
46) Dibromomethane	9.21	93	160974	49.845	ug/l	100
47) Bromodichloromethane	9.40	83	338280	52.324	ug/l	100
48) Methyl methacrylate	9.20	41	210486	51.285	ug/l	100
49) 1,4-Dioxane	9.20	88	49325	1040.682	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1244167	255.543	ug/l	100
52) Toluene	10.16	92	606412	51.758	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	321067	54.114	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	396132	53.802	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	216349	50.086	ug/l	100
56) Ethyl methacrylate	10.43	69	292537	54.365	ug/l	100
57) 1,3-Dichloropropane	10.71	76	385303	51.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	504185	290.616	ug/l	100
59) 2-Hexanone	10.75	43	832484	270.699	ug/l	100
60) Dibromochloromethane	10.90	129	233923	52.577	ug/l	100
61) 1,2-Dibromoethane	11.00	107	211618	52.107	ug/l	100
64) Tetrachloroethene	10.63	164	240603	48.650	ug/l	100
65) Chlorobenzene	11.43	112	612679	49.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	231378	50.451	ug/l	100
67) Ethyl Benzene	11.51	91	1126213	51.094	ug/l	100
68) m/p-Xylenes	11.62	106	823562	104.174	ug/l	100
69) o-Xylene	11.95	106	401746	51.207	ug/l	100
70) Styrene	11.96	104	672584	55.306	ug/l	100
71) Bromoform	12.13	173	149854	54.755	ug/l	100
73) Isopropylbenzene	12.25	105	1062979	42.251	ug/l	100
74) N-amyl acetate	12.07	43	339165	50.197	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	270287	40.597	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234243m	47.694	ug/l	
77) Bromobenzene	12.53	156	260350	45.000	ug/l	100
78) n-propylbenzene	12.59	91	1198604	45.606	ug/l	100
79) 2-Chlorotoluene	12.67	91	729466	43.955	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	891306	45.432	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64547	46.023	ug/l	100
82) 4-Chlorotoluene	12.77	91	715362	46.851	ug/l	100
83) tert-Butylbenzene	12.99	119	745711	42.489	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	870109	46.999	ug/l	100
85) sec-Butylbenzene	13.17	105	977067	44.023	ug/l	100
86) p-Isopropyltoluene	13.29	119	857864	46.916	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	433923	48.858	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	414642	47.952	ug/l	100
89) n-Butylbenzene	13.61	91	694190	51.219	ug/l	100
90) Hexachloroethane	13.87	117	142283	43.875	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	431403	47.292	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37197	46.742	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182255	56.593	ug/l	100
94) Hexachlorobutadiene	15.01	225	137763	42.196	ug/l	100
95) Naphthalene	15.13	128	384370	56.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	185731	55.436	ug/l	100

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

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