

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055836.D
 Acq On : 25 May 2019 8:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:37:03 AM

Quant Time: May 27 00:01:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	338395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	505053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	208086	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	180849	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.59	113	159265	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.09	98	619165	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	214227	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	102790	45.134	ug/l	99
3) Chloromethane	2.06	50	150078	47.033	ug/l	100
4) Vinyl Chloride	2.18	62	160049	47.026	ug/l	100
5) Bromomethane	2.54	94	111026m	52.144	ug/l	
6) Chloroethane	2.69	64	103778	50.646	ug/l	99
7) Trichlorofluoromethane	3.01	101	215940	48.396	ug/l	98
8) Diethyl Ether	3.40	74	95571	47.789	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	132068	47.416	ug/l	99
10) Methyl Iodide	3.94	142	218606	53.683	ug/l	100
11) Tert butyl alcohol	4.81	59	159723	239.208	ug/l	98
12) 1,1-Dichloroethene	3.72	96	139624	48.515	ug/l	96
13) Acrolein	3.60	56	97545	204.021	ug/l	97
14) Allyl chloride	4.31	41	215206	43.620	ug/l	100
15) Acrylonitrile	4.99	53	377880	246.457	ug/l	99
16) Acetone	3.82	43	302711	197.054	ug/l	99
17) Carbon Disulfide	4.04	76	357130	43.677	ug/l	99
18) Methyl Acetate	4.33	43	159278	51.027	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	468701	48.831	ug/l	99
20) Methylene Chloride	4.54	84	161312	48.488	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	150780	48.767	ug/l	98
22) Diisopropyl ether	5.95	45	470137	48.994	ug/l	99
23) Vinyl Acetate	5.90	43	1940253	235.831	ug/l	100
24) 1,1-Dichloroethane	5.84	63	270021	48.330	ug/l	99
25) 2-Butanone	6.84	43	485204	226.160	ug/l	100
26) 2,2-Dichloropropane	6.82	77	119258	24.664	ug/l	95
27) cis-1,2-Dichloroethene	6.82	96	180069	49.919	ug/l	94
28) Bromochloromethane	7.19	49	133866	50.325	ug/l	98
29) Tetrahydrofuran	7.21	42	325847	239.837	ug/l	99
30) Chloroform	7.37	83	275578	49.459	ug/l	100
31) Cyclohexane	7.65	56	243554	46.432	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	240033	48.276	ug/l	99
36) 1,1-Dichloropropene	7.79	75	204136	46.381	ug/l	100
37) Ethyl Acetate	6.93	43	203194	47.767	ug/l	99
38) Carbon Tetrachloride	7.77	117	210451	45.904	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248331	45.563	ug/l	98
40) Benzene	8.04	78	641820	48.385	ug/l	99
41) Methacrylonitrile	7.17	41	82477	38.378	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	205098	47.318	ug/l	100
43) Isopropyl Acetate	8.17	43	332129	46.469	ug/l	100
44) Trichloroethene	8.83	130	183123	49.520	ug/l	100
45) 1,2-Dichloropropane	9.12	63	167981	48.605	ug/l	100
46) Dibromomethane	9.21	93	111503	49.196	ug/l	98
47) Bromodichloromethane	9.40	83	218231	46.956	ug/l	100
48) Methyl methacrylate	9.20	41	164510	49.942	ug/l	98
49) 1,4-Dioxane	9.20	88	63626	929.497	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1017035	240.936	ug/l	100
52) Toluene	10.16	92	409908	49.134	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	214277	43.193	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	240177	43.703	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164542	49.233	ug/l	99
56) Ethyl methacrylate	10.43	69	255413	49.449	ug/l	100
57) 1,3-Dichloropropane	10.71	76	267383	49.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	457020	231.529	ug/l	100
59) 2-Hexanone	10.75	43	694041	231.769	ug/l	99
60) Dibromochloromethane	10.90	129	185191	47.565	ug/l	99
61) 1,2-Dibromoethane	11.01	107	170691	49.239	ug/l	99
64) Tetrachloroethene	10.63	164	199978	52.301	ug/l	99
65) Chlorobenzene	11.43	112	438397	48.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	169504	46.829	ug/l	100
67) Ethyl Benzene	11.51	91	779120	47.873	ug/l	99
68) m/p-Xylenes	11.62	106	594439	96.615	ug/l	99
69) o-Xylene	11.95	106	291911	47.821	ug/l	99
70) Styrene	11.96	104	487628	49.328	ug/l	100
71) Bromoform	12.13	173	143510	46.483	ug/l #	100
73) Isopropylbenzene	12.25	105	768710	52.042	ug/l	99
74) N-amyl acetate	12.07	43	274705	48.692	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222145	50.721	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195582m	54.894	ug/l	
77) Bromobenzene	12.53	156	210054	47.306	ug/l	95
78) n-propylbenzene	12.59	91	826116	45.678	ug/l	100
79) 2-Chlorotoluene	12.67	91	501336	51.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	636737	51.165	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53991	34.910	ug/l	96
82) 4-Chlorotoluene	12.77	91	488476	45.948	ug/l	99
83) tert-Butylbenzene	12.99	119	557549	51.884	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	627322	50.454	ug/l	99
85) sec-Butylbenzene	13.17	105	723355	51.720	ug/l	100
86) p-Isopropyltoluene	13.29	119	659508	45.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	332876	47.344	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324748	48.581	ug/l	99
89) n-Butylbenzene	13.61	91	508050	45.885	ug/l	100
90) Hexachloroethane	13.87	117	117848	42.845	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	332660	47.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39106	42.414	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	179562	44.892	ug/l	99
94) Hexachlorobutadiene	15.01	225	120361	48.707	ug/l	99
95) Naphthalene	15.13	128	483771	50.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	187789	50.643	ug/l	100

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

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