

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055706.D
 Acq On : 21 May 2019 13:53
 Operator : JC/SP
 Sample : VN0521WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:11:33 PM

Quant Time: May 22 05:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	329648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	477664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	409419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	163404	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.59	113	152488	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	556854	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	183607	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	46281	18.247	ug/l	99
3) Chloromethane	2.06	50	60072	17.757	ug/l	99
4) Vinyl Chloride	2.18	62	67800	18.508	ug/l	97
5) Bromomethane	2.54	94	46658	19.985	ug/l	99
6) Chloroethane	2.70	64	40598	19.960	ug/l	99
7) Trichlorofluoromethane	3.02	101	92303	19.662	ug/l	97
8) Diethyl Ether	3.41	74	37838	20.064	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57015	19.922	ug/l	97
10) Methyl Iodide	3.96	142	77748	18.844	ug/l	98
11) Tert butyl alcohol	4.77	59	68889	102.228	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	57296	19.032	ug/l	97
13) Acrolein	3.61	56	28805	84.705	ug/l	97
14) Allyl chloride	4.33	41	91734	18.875	ug/l	99
15) Acrylonitrile	4.98	53	151200	100.850	ug/l	100
16) Acetone	3.81	43	142812	96.842	ug/l	99
17) Carbon Disulfide	4.06	76	143080	17.096	ug/l	100
18) Methyl Acetate	4.32	43	63139	19.971	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	196489	19.729	ug/l	97
20) Methylene Chloride	4.55	84	66865	19.868	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	61100	19.052	ug/l	94
22) Diisopropyl ether	5.95	45	184337	19.141	ug/l	98
23) Vinyl Acetate	5.89	43	785857	96.168	ug/l	99
24) 1,1-Dichloroethane	5.85	63	109859	19.455	ug/l	99
25) 2-Butanone	6.83	43	204075	98.973	ug/l	98
26) 2,2-Dichloropropane	6.82	77	97823	19.519	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	73318	19.633	ug/l	96
28) Bromochloromethane	7.19	49	44065	17.937	ug/l	92
29) Tetrahydrofuran	7.21	42	130409	95.464	ug/l	98
30) Chloroform	7.37	83	114359	19.729	ug/l	98
31) Cyclohexane	7.65	56	96432	17.993	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	100640	19.358	ug/l	98
36) 1,1-Dichloropropene	7.79	75	79994	18.784	ug/l	97
37) Ethyl Acetate	6.93	43	80789	21.023	ug/l	98
38) Carbon Tetrachloride	7.78	117	90468	19.880	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	100071	19.493	ug/l	98
40) Benzene	8.04	78	255804	20.422	ug/l	100
41) Methacrylonitrile	7.18	41	42930m	26.129	ug/l	
42) 1,2-Dichloroethane	8.12	62	84326	20.790	ug/l	100
43) Isopropyl Acetate	8.16	43	133802	20.016	ug/l	98
44) Trichloroethene	8.84	130	74423	21.056	ug/l	96
45) 1,2-Dichloropropane	9.12	63	67085	20.330	ug/l	99
46) Dibromomethane	9.21	93	45346	20.996	ug/l	95
47) Bromodichloromethane	9.40	83	91575	20.231	ug/l	99
48) Methyl methacrylate	9.20	41	59677	19.973	ug/l	96
49) 1,4-Dioxane	9.20	88	27862	469.287	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	395418	100.842	ug/l	99
52) Toluene	10.16	92	163681	20.834	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	96055	19.716	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	108008	20.237	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	67325	20.815	ug/l	98
56) Ethyl methacrylate	10.43	69	101111	20.026	ug/l	96
57) 1,3-Dichloropropane	10.71	76	106652	20.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	172851	80.571	ug/l	98
59) 2-Hexanone	10.75	43	275878	99.931	ug/l	97
60) Dibromochloromethane	10.90	129	77546	21.154	ug/l	99
61) 1,2-Dibromoethane	11.01	107	68642	21.210	ug/l	98
64) Tetrachloroethene	10.63	164	70540	21.844	ug/l	98
65) Chlorobenzene	11.43	112	175435	21.185	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	71861	21.571	ug/l	99
67) Ethyl Benzene	11.51	91	307119	20.819	ug/l	99
68) m/p-Xylenes	11.62	106	234562	42.105	ug/l	97
69) o-Xylene	11.95	106	117134	21.498	ug/l	96
70) Styrene	11.96	104	189363	20.902	ug/l	98
71) Bromoform	12.13	173	61559	21.805	ug/l #	100
73) Isopropylbenzene	12.25	105	308360	24.841	ug/l	99
74) N-amyl acetate	12.07	43	104358	22.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94568	24.543	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75730m	22.005	ug/l	
77) Bromobenzene	12.53	156	80434	23.221	ug/l	93
78) n-propylbenzene	12.59	91	316568	21.136	ug/l	98
79) 2-Chlorotoluene	12.67	91	197398	23.743	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	255543	24.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27669	20.667	ug/l	99
82) 4-Chlorotoluene	12.77	91	180112	20.410	ug/l	97
83) tert-Butylbenzene	12.99	119	228806	25.293	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	251751	24.030	ug/l	99
85) sec-Butylbenzene	13.17	105	281372	23.835	ug/l	99
86) p-Isopropyltoluene	13.29	119	258847	23.739	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123552	21.573	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116962	21.389	ug/l	99
89) n-Butylbenzene	13.61	91	188454	20.362	ug/l	100
90) Hexachloroethane	13.87	117	50455	24.033	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	126813	22.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15559	20.327	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54508	18.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	45366	24.371	ug/l	99
95) Naphthalene	15.13	128	145621	17.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57419	18.897	ug/l	98

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

