

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061309.D
 Acq On : 6 May 2020 15:03
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:36 AM

Quant Time: May 07 06:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	108053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	186621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	168437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	77751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85604	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.55	113	52696	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.06	98	221154	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.38	95	80830	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	16211	14.148	ug/l	99
3) Chloromethane	2.03	50	21175	15.259	ug/l	98
4) Vinyl Chloride	2.16	62	23790	15.093	ug/l	99
5) Bromomethane	2.54	94	10067	12.921	ug/l	98
6) Chloroethane	2.67	64	14849	14.863	ug/l	99
7) Trichlorofluoromethane	2.98	101	30337	17.060	ug/l	99
8) Diethyl Ether	3.37	74	11662	15.723	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17164	14.982	ug/l	99
10) Methyl Iodide	3.91	142	18737	12.726	ug/l	99
11) Tert butyl alcohol	4.73	59	14301	62.441	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	16469	14.446	ug/l	97
13) Acrolein	3.56	56	10139	66.430	ug/l	100
14) Allyl chloride	4.27	41	34475	16.309	ug/l	98
15) Acrylonitrile	4.93	53	50820	72.283	ug/l	99
16) Acetone	3.77	43	50592	72.591	ug/l	99
17) Carbon Disulfide	4.01	76	41817	13.279	ug/l	100
18) Methyl Acetate	4.28	43	27529	13.261	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	62777	14.411	ug/l	99
20) Methylene Chloride	4.50	84	19029	14.273	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	17704	14.261	ug/l	98
22) Diisopropyl ether	5.90	45	72075	14.704	ug/l	98
23) Vinyl Acetate	5.84	43	281726	71.380	ug/l	98
24) 1,1-Dichloroethane	5.80	63	37416	14.609	ug/l	98
25) 2-Butanone	6.79	43	71491	70.664	ug/l	99
26) 2,2-Dichloropropane	6.77	77	34339	15.918	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	20561	14.114	ug/l	97
28) Bromochloromethane	7.15	49	26895	22.156	ug/l	98
29) Tetrahydrofuran	7.17	42	46720	68.554	ug/l	98
30) Chloroform	7.33	83	37324	14.381	ug/l	98
31) Cyclohexane	7.62	56	32065	12.892	ug/l #	90
32) 1,1,1-Trichloroethane	7.53	97	31965	14.143	ug/l	99
36) 1,1-Dichloropropene	7.75	75	26824	14.358	ug/l	99
37) Ethyl Acetate	6.88	43	29945	13.673	ug/l	99
38) Carbon Tetrachloride	7.73	117	23092	15.215	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	25351	12.100	ug/l	97
40) Benzene	8.00	78	78871	14.171	ug/l	99
41) Methacrylonitrile	7.12	41	11056	12.158	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	32521	15.424	ug/l	98
43) Isopropyl Acetate	8.13	43	50321	13.844	ug/l	99
44) Trichloroethene	8.80	130	20035	13.316	ug/l	100
45) 1,2-Dichloropropane	9.08	63	21371	14.373	ug/l	96
46) Dibromomethane	9.17	93	13405	14.560	ug/l	99
47) Bromodichloromethane	9.37	83	28790	14.569	ug/l	98
48) Methyl methacrylate	9.17	41	23385	14.258	ug/l	95
49) 1,4-Dioxane	9.17	88	3949	212.106	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	151311	70.724	ug/l	99
52) Toluene	10.12	92	47097	14.049	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	31788	14.276	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	33804	14.360	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	18869	14.111	ug/l	97
56) Ethyl methacrylate	10.40	69	28541	14.308	ug/l	97
57) 1,3-Dichloropropane	10.68	76	34648	14.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	66989	61.891	ug/l	100
59) 2-Hexanone	10.72	43	106771	68.597	ug/l	99
60) Dibromochloromethane	10.87	129	19440	13.881	ug/l	99
61) 1,2-Dibromoethane	10.98	107	18614	13.888	ug/l	98
64) Tetrachloroethene	10.60	164	18661	12.792	ug/l	97
65) Chlorobenzene	11.41	112	48736	14.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	17903	14.971	ug/l	98
67) Ethyl Benzene	11.48	91	89905	14.374	ug/l	100
68) m/p-Xylenes	11.60	106	65216	28.486	ug/l	97
69) o-Xylene	11.92	106	30690	13.955	ug/l	95
70) Styrene	11.94	104	51294	13.936	ug/l	98
71) Bromoform	12.10	173	12549	14.278	ug/l #	97
73) Isopropylbenzene	12.22	105	83852	14.670	ug/l	100
74) N-amyl acetate	12.04	43	41107	14.202	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	27349	15.345	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	24668m	15.049	ug/l	
77) Bromobenzene	12.50	156	19509	14.786	ug/l	96
78) n-propylbenzene	12.57	91	99048	14.610	ug/l	100
79) 2-Chlorotoluene	12.65	91	59145	14.842	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	69127	14.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	9431	14.611	ug/l	97
82) 4-Chlorotoluene	12.75	91	62693	14.927	ug/l	98
83) tert-Butylbenzene	12.97	119	56742	14.225	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	69558	14.271	ug/l	99
85) sec-Butylbenzene	13.15	105	75008	13.792	ug/l	100
86) p-Isopropyltoluene	13.26	119	66731	13.618	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	35195	14.489	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	35325	14.233	ug/l	97
89) n-Butylbenzene	13.59	91	60292	13.422	ug/l	98
90) Hexachloroethane	13.85	117	8110	21.074	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	34641	14.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	5343	14.194	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	18330	12.924	ug/l	98
94) Hexachlorobutadiene	14.99	225	8332	14.062	ug/l	96
95) Naphthalene	15.11	128	58135	12.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	18432	13.163	ug/l	99

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

