

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061352.D
 Acq On : 8 May 2020 11:24
 Operator : JC/MD
 Sample : VN0508WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:35 PM

Quant Time: May 09 01:13:32 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	7.62	168	99693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	168289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	154919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	70887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	80843	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.54	113	46783	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	10.06	98	208305	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.37	95	76996	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	18960	17.935	ug/l	99
3) Chloromethane	2.03	50	25596	19.991	ug/l	99
4) Vinyl Chloride	2.16	62	28120	19.337	ug/l	98
5) Bromomethane	2.53	94	12217	16.995	ug/l	98
6) Chloroethane	2.67	64	17718	19.222	ug/l	95
7) Trichlorofluoromethane	2.98	101	35870	21.863	ug/l	96
8) Diethyl Ether	3.37	74	14711	21.496	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21290	20.142	ug/l	99
10) Methyl Iodide	3.90	142	22138	16.297	ug/l	98
11) Tert butyl alcohol	4.72	59	24228	114.655	ug/l	99
12) 1,1-Dichloroethene	3.69	96	20365	19.361	ug/l	100
13) Acrolein	3.56	56	12399	88.049	ug/l	99
14) Allyl chloride	4.27	41	43873	22.496	ug/l	98
15) Acrylonitrile	4.92	53	66543	102.584	ug/l	99
16) Acetone	3.77	43	64603	102.637	ug/l	96
17) Carbon Disulfide	4.00	76	42818	14.737	ug/l	100
18) Methyl Acetate	4.27	43	36634	18.827	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	78391	19.504	ug/l	98
20) Methylene Chloride	4.50	84	24092	19.586	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	21629	18.884	ug/l	98
22) Diisopropyl ether	5.90	45	92747	20.507	ug/l	97
23) Vinyl Acetate	5.84	43	361425	99.252	ug/l	100
24) 1,1-Dichloroethane	5.79	63	46970	19.877	ug/l	98
25) 2-Butanone	6.78	43	93626	100.303	ug/l	99
26) 2,2-Dichloropropane	6.77	77	41603	20.903	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	25729	19.142	ug/l	97
28) Bromochloromethane	7.14	49	22536	20.122	ug/l	98
29) Tetrahydrofuran	7.16	42	61990	98.588	ug/l	99
30) Chloroform	7.32	83	46581	19.452	ug/l	99
31) Cyclohexane	7.61	56	40058	17.456	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	40331	19.341	ug/l	99
36) 1,1-Dichloropropene	7.75	75	32701	19.411	ug/l	100
37) Ethyl Acetate	6.87	43	38892	19.692	ug/l	99
38) Carbon Tetrachloride	7.73	117	29178	20.402	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	31954	16.913	ug/l	99
40) Benzene	8.00	78	99150	19.755	ug/l	100
41) Methacrylonitrile	7.12	41	15600	19.024	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	39705	20.882	ug/l	99
43) Isopropyl Acetate	8.12	43	64551	19.694	ug/l #	91
44) Trichloroethene	8.80	130	24961	18.397	ug/l	97
45) 1,2-Dichloropropane	9.08	63	26904	20.065	ug/l	99
46) Dibromomethane	9.17	93	16945	20.410	ug/l	99
47) Bromodichloromethane	9.37	83	37281	20.921	ug/l	98
48) Methyl methacrylate	9.17	41	29433	19.900	ug/l	98
49) 1,4-Dioxane	9.16	88	8577	510.864	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	197998	102.627	ug/l	99
52) Toluene	10.12	92	59603	19.716	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	40026	19.934	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	42737	20.133	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	23969	19.878	ug/l	98
56) Ethyl methacrylate	10.40	69	36268	19.046	ug/l	99
57) 1,3-Dichloropropane	10.68	76	43184	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	90633	92.857	ug/l	99
59) 2-Hexanone	10.72	43	140108	99.820	ug/l	99
60) Dibromochloromethane	10.87	129	25373	20.091	ug/l	98
61) 1,2-Dibromoethane	10.98	107	24227	20.046	ug/l	99
64) Tetrachloroethene	10.60	164	24003	17.889	ug/l	99
65) Chlorobenzene	11.41	112	60689	19.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22695	20.634	ug/l	99
67) Ethyl Benzene	11.48	91	112492	19.554	ug/l	99
68) m/p-Xylenes	11.60	106	82326	39.097	ug/l	96
69) o-Xylene	11.92	106	37753	18.665	ug/l	95
70) Styrene	11.94	104	65163	19.249	ug/l	98
71) Bromoform	12.10	173	16111	19.931	ug/l #	98
73) Isopropylbenzene	12.22	105	105264	20.199	ug/l	99
74) N-amyl acetate	12.04	43	52683	19.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35163	21.640	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	31374m	20.993	ug/l	
77) Bromobenzene	12.50	156	24670	20.507	ug/l	96
78) n-propylbenzene	12.56	91	125911	20.370	ug/l	99
79) 2-Chlorotoluene	12.65	91	74321	20.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	87935	20.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11962	20.326	ug/l	95
82) 4-Chlorotoluene	12.75	91	79559	20.777	ug/l	99
83) tert-Butylbenzene	12.97	119	71325	19.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	88572	19.932	ug/l	100
85) sec-Butylbenzene	13.15	105	95093	19.178	ug/l	100
86) p-Isopropyltoluene	13.26	119	84745	18.969	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	44470	20.080	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	45251	19.998	ug/l	99
89) n-Butylbenzene	13.59	91	74956	18.302	ug/l	98
90) Hexachloroethane	13.85	117	11261	28.106	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	43193	20.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6865	20.004	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	23083	17.851	ug/l	98
94) Hexachlorobutadiene	14.98	225	10692	19.793	ug/l	98
95) Naphthalene	15.11	128	71025	16.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	22905	17.942	ug/l	98

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

