

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061290.D
 Acq On : 5 May 2020 14:32
 Operator : JC/MD
 Sample : VN0505WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 11:37:45 AM

Quant Time: May 06 07:23:55 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	112581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	196670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	181846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84629	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.54	113	50427	43.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.72%	
50) Toluene-d8	10.06	98	216656	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.37	95	80063	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	22585	18.918	ug/l	99
3) Chloromethane	2.03	50	30065	20.794	ug/l	99
4) Vinyl Chloride	2.16	62	33494	20.395	ug/l	98
5) Bromomethane	2.54	94	14331	17.654	ug/l	96
6) Chloroethane	2.67	64	21140	20.309	ug/l	99
7) Trichlorofluoromethane	2.98	101	42391	22.879	ug/l	98
8) Diethyl Ether	3.37	74	16459	21.297	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24673	20.671	ug/l	98
10) Methyl Iodide	3.91	142	26132	17.035	ug/l	98
11) Tert butyl alcohol	4.73	59	18423	77.203	ug/l	99
12) 1,1-Dichloroethene	3.69	96	23874	20.099	ug/l	99
13) Acrolein	3.56	56	15248	95.885	ug/l	96
14) Allyl chloride	4.27	41	49097	22.292	ug/l	99
15) Acrylonitrile	4.93	53	72278	98.669	ug/l	99
16) Acetone	3.77	43	63067	87.961	ug/l	100
17) Carbon Disulfide	4.01	76	56192	17.126	ug/l	97
18) Methyl Acetate	4.27	43	38998	17.786	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	90146	19.861	ug/l	99
20) Methylene Chloride	4.50	84	27566	19.845	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	25141	19.437	ug/l	97
22) Diisopropyl ether	5.90	45	103164	20.199	ug/l	97
23) Vinyl Acetate	5.84	43	408100	99.240	ug/l	100
24) 1,1-Dichloroethane	5.80	63	52751	19.768	ug/l	99
25) 2-Butanone	6.78	43	98154	93.117	ug/l	98
26) 2,2-Dichloropropane	6.77	77	47443	21.108	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	29689	19.560	ug/l	98
28) Bromochloromethane	7.15	49	25230	19.948	ug/l	96
29) Tetrahydrofuran	7.16	42	66531	93.697	ug/l	99
30) Chloroform	7.33	83	53108	19.639	ug/l	98
31) Cyclohexane	7.61	56	46655	18.003	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	46408	19.708	ug/l	99
36) 1,1-Dichloropropene	7.75	75	38206	19.406	ug/l	100
37) Ethyl Acetate	6.88	43	43998	19.063	ug/l	99
38) Carbon Tetrachloride	7.73	117	33894	20.293	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	38931	17.633	ug/l	98
40) Benzene	8.00	78	113775	19.398	ug/l	99
41) Methacrylonitrile	7.12	41	18718	19.533	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	44870	20.193	ug/l	99
43) Isopropyl Acetate	8.12	43	73498	19.188	ug/l #	92
44) Trichloroethene	8.80	130	28724	18.116	ug/l	98
45) 1,2-Dichloropropane	9.09	63	30372	19.382	ug/l	98
46) Dibromomethane	9.18	93	19394	19.989	ug/l	99
47) Bromodichloromethane	9.37	83	41794	20.069	ug/l	100
48) Methyl methacrylate	9.17	41	32727	18.934	ug/l	96
49) 1,4-Dioxane	9.17	88	4518	230.268	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	217780	96.591	ug/l	100
52) Toluene	10.12	92	67771	19.183	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	45382	19.340	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	47977	19.340	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	26857	19.059	ug/l	99
56) Ethyl methacrylate	10.40	69	41419	18.674	ug/l	97
57) 1,3-Dichloropropane	10.68	76	48322	19.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	98506	86.359	ug/l	98
59) 2-Hexanone	10.72	43	154139	93.969	ug/l	99
60) Dibromochloromethane	10.87	129	28482	19.298	ug/l	99
61) 1,2-Dibromoethane	10.98	107	27208	19.263	ug/l	100
64) Tetrachloroethene	10.60	164	26860	17.054	ug/l	95
65) Chlorobenzene	11.40	112	69771	19.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	25735	19.933	ug/l	99
67) Ethyl Benzene	11.48	91	131155	19.423	ug/l	99
68) m/p-Xylenes	11.59	106	93499	37.828	ug/l	96
69) o-Xylene	11.92	106	44551	18.765	ug/l	97
70) Styrene	11.94	104	74794	18.822	ug/l	98
71) Bromoform	12.10	173	18275	19.260	ug/l #	97
73) Isopropylbenzene	12.22	105	121322	19.500	ug/l	99
74) N-amyl acetate	12.04	43	61111	19.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	39405	20.312	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	38233m	21.428	ug/l	
77) Bromobenzene	12.50	156	28672	19.964	ug/l	99
78) n-propylbenzene	12.56	91	144235	19.545	ug/l	100
79) 2-Chlorotoluene	12.65	91	85667	19.750	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	101327	19.678	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	13575	19.321	ug/l	96
82) 4-Chlorotoluene	12.75	91	90485	19.793	ug/l	99
83) tert-Butylbenzene	12.97	119	83933	19.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	102342	19.291	ug/l	100
85) sec-Butylbenzene	13.15	105	114326	19.313	ug/l	99
86) p-Isopropyltoluene	13.26	119	102148	19.152	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	50819	19.221	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	50584	18.725	ug/l	96
89) n-Butylbenzene	13.59	91	92389	18.895	ug/l	100
90) Hexachloroethane	13.85	117	12223	26.246	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	49712	19.609	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7924	19.340	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	28325	18.348	ug/l	99
94) Hexachlorobutadiene	14.99	225	12731	19.740	ug/l	99
95) Naphthalene	15.10	128	88191	17.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	27096	17.778	ug/l	98

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

