

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
 Data File : VN061183.D
 Acq On : 29 Apr 2020 11:18
 Operator : JC/MD
 Sample : VN0429WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:16 PM

Quant Time: Apr 29 15:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	104020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	177928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	165982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	79431	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.54	113	52404	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.06	98	210792	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.37	95	77947	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21879	19.835	ug/l	97
3) Chloromethane	2.03	50	25041	18.744	ug/l	98
4) Vinyl Chloride	2.16	62	28368	18.696	ug/l	99
5) Bromomethane	2.54	94	14005	18.672	ug/l	94
6) Chloroethane	2.67	64	18036	18.753	ug/l	98
7) Trichlorofluoromethane	2.98	101	35552	20.767	ug/l	100
8) Diethyl Ether	3.37	74	13667	19.140	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21244	19.263	ug/l	99
10) Methyl Iodide	3.90	142	26570	18.746	ug/l	98
11) Tert butyl alcohol	4.73	59	18895	85.698	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	20498	18.677	ug/l	99
13) Acrolein	3.56	56	10464	71.217	ug/l	93
14) Allyl chloride	4.27	41	41676	20.480	ug/l	97
15) Acrylonitrile	4.92	53	58737	86.783	ug/l	100
16) Acetone	3.77	43	53155	79.742	ug/l	100
17) Carbon Disulfide	4.01	76	57273	18.892	ug/l	100
18) Methyl Acetate	4.27	43	33684	16.671	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	75766	18.067	ug/l	98
20) Methylene Chloride	4.50	84	23672	18.444	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	22683	18.980	ug/l	96
22) Diisopropyl ether	5.90	45	86184	18.264	ug/l	98
23) Vinyl Acetate	5.84	43	343189	90.323	ug/l	99
24) 1,1-Dichloroethane	5.79	63	46294	18.776	ug/l	98
25) 2-Butanone	6.78	43	81955	84.148	ug/l	99
26) 2,2-Dichloropropane	6.77	77	42018	20.233	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	26203	18.684	ug/l	99
28) Bromochloromethane	7.15	49	22745	19.463	ug/l	100
29) Tetrahydrofuran	7.16	42	55571	84.703	ug/l	99
30) Chloroform	7.32	83	45702	18.291	ug/l	99
31) Cyclohexane	7.61	56	42948	17.937	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	40832	18.767	ug/l	99
36) 1,1-Dichloropropene	7.75	75	33529	18.824	ug/l	98
37) Ethyl Acetate	6.88	43	36228	17.350	ug/l	99
38) Carbon Tetrachloride	7.73	117	28270	18.887	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	37593	18.820	ug/l	98
40) Benzene	8.00	78	99669	18.783	ug/l	100
41) Methacrylonitrile	7.13	41	17250m	19.897	ug/l	
42) 1,2-Dichloroethane	8.08	62	39971	19.883	ug/l	99
43) Isopropyl Acetate	8.12	43	61631	17.785	ug/l	100
44) Trichloroethene	8.80	130	26525	18.491	ug/l	97
45) 1,2-Dichloropropane	9.08	63	26894	18.971	ug/l	99
46) Dibromomethane	9.17	93	16970	19.333	ug/l	98
47) Bromodichloromethane	9.37	83	35875	19.041	ug/l	96
48) Methyl methacrylate	9.16	41	27062	17.306	ug/l	96
49) 1,4-Dioxane	9.16	88	6803	383.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	179623	88.059	ug/l	100
52) Toluene	10.12	92	60847	19.037	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	40182	18.928	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	42225	18.814	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	23899	18.746	ug/l	99
56) Ethyl methacrylate	10.40	69	34990	17.618	ug/l	97
57) 1,3-Dichloropropane	10.68	76	42248	18.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	92303	89.445	ug/l	100
59) 2-Hexanone	10.72	43	129789	87.459	ug/l	99
60) Dibromochloromethane	10.87	129	24795	18.570	ug/l	100
61) 1,2-Dibromoethane	10.98	107	23642	18.502	ug/l	97
64) Tetrachloroethene	10.60	164	27111	18.859	ug/l	97
65) Chlorobenzene	11.40	112	61749	18.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22664	19.232	ug/l	99
67) Ethyl Benzene	11.48	91	117875	19.124	ug/l	99
68) m/p-Xylenes	11.59	106	86184	38.201	ug/l	100
69) o-Xylene	11.92	106	39928	18.425	ug/l	96
70) Styrene	11.94	104	66214	18.256	ug/l	98
71) Bromoform	12.10	173	16048	18.529	ug/l #	99
73) Isopropylbenzene	12.22	105	110033	19.015	ug/l	99
74) N-amyl acetate	12.04	43	51207	17.475	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	34339	19.031	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	32803m	19.767	ug/l	
77) Bromobenzene	12.50	156	25754	19.279	ug/l	99
78) n-propylbenzene	12.56	91	132850	19.355	ug/l	100
79) 2-Chlorotoluene	12.65	91	78265	19.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	93418	19.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11775	18.019	ug/l	98
82) 4-Chlorotoluene	12.75	91	81235	19.105	ug/l	99
83) tert-Butylbenzene	12.97	119	76481	18.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	94480	19.147	ug/l	100
85) sec-Butylbenzene	13.15	105	107079	19.448	ug/l	100
86) p-Isopropyltoluene	13.26	119	95468	19.244	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	46083	18.739	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	46385	18.461	ug/l	98
89) n-Butylbenzene	13.59	91	87334	19.204	ug/l	99
90) Hexachloroethane	13.85	117	8744	21.947	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	44261	18.771	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6844	17.959	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26909	18.741	ug/l	97
94) Hexachlorobutadiene	14.98	225	12168	20.285	ug/l	99
95) Naphthalene	15.10	128	79933	17.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	25935	18.295	ug/l	100

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

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