

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060913.D
 Acq On : 13 Apr 2020 21:20
 Operator : JC/MD
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:10:56 AM

Quant Time: Apr 14 07:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	142994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	244941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	219005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103259	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.56	113	77398	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.08	98	302618	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	108974	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	22544	16.294	ug/l	97
3) Chloromethane	2.04	50	41647	16.117	ug/l	96
4) Vinyl Chloride	2.17	62	34210	16.926	ug/l	100
5) Bromomethane	2.55	94	17385	19.925	ug/l	98
6) Chloroethane	2.69	64	21823	18.744	ug/l	100
7) Trichlorofluoromethane	3.00	101	46247	18.575	ug/l	98
8) Diethyl Ether	3.38	74	19836	19.832	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	27678	19.185	ug/l	99
10) Methyl Iodide	3.93	142	23453	18.269	ug/l	98
11) Tert butyl alcohol	4.72	59	28131	97.443	ug/l	97
12) 1,1-Dichloroethene	3.72	96	28255	18.250	ug/l	96
13) Acrolein	3.58	56	7425	23.206	ug/l	100
14) Allyl chloride	4.29	41	53115	19.507	ug/l	96
15) Acrylonitrile	4.94	53	85844	101.121	ug/l	99
16) Acetone	3.78	43	69198	99.518	ug/l	98
17) Carbon Disulfide	4.03	76	77884	16.541	ug/l	100
18) Methyl Acetate	4.29	43	42023	21.471	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	105391	19.800	ug/l	96
20) Methylene Chloride	4.52	84	32418	18.953	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	31040	18.812	ug/l	99
22) Diisopropyl ether	5.91	45	121354	21.095	ug/l	95
23) Vinyl Acetate	5.86	43	483954	103.107	ug/l	99
24) 1,1-Dichloroethane	5.82	63	62981	20.083	ug/l	99
25) 2-Butanone	6.80	43	112614	100.087	ug/l	97
26) 2,2-Dichloropropane	6.79	77	48671	19.725	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	36372	19.398	ug/l	98
28) Bromochloromethane	7.17	49	33243	22.156	ug/l	98
29) Tetrahydrofuran	7.18	42	78433	98.522	ug/l	97
30) Chloroform	7.35	83	59906	19.926	ug/l	98
31) Cyclohexane	7.63	56	58294	18.438	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	50232	19.382	ug/l	98
36) 1,1-Dichloropropene	7.77	75	45339	19.116	ug/l	99
37) Ethyl Acetate	6.90	43	50142	19.566	ug/l	99
38) Carbon Tetrachloride	7.75	117	39046	18.368	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	51322	18.208	ug/l	96
40) Benzene	8.02	78	135919	18.983	ug/l	99
41) Methacrylonitrile	7.15	41	26325m	24.069	ug/l	
42) 1,2-Dichloroethane	8.10	62	47800	19.535	ug/l	98
43) Isopropyl Acetate	8.14	43	83002	19.638	ug/l	99
44) Trichloroethene	8.82	130	34020	18.849	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38079	20.156	ug/l	99
46) Dibromomethane	9.19	93	22475	19.678	ug/l	98
47) Bromodichloromethane	9.38	83	46173	19.454	ug/l	99
48) Methyl methacrylate	9.18	41	35919	19.088	ug/l	98
49) 1,4-Dioxane	9.18	88	8661	387.224	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	240557	100.021	ug/l	99
52) Toluene	10.14	92	81950	18.952	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	53711	19.701	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	57886	19.354	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	32445	19.504	ug/l	99
56) Ethyl methacrylate	10.42	69	49957	19.260	ug/l	98
57) 1,3-Dichloropropane	10.70	76	57238	19.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	113405	87.968	ug/l	99
59) 2-Hexanone	10.74	43	167753	96.827	ug/l	100
60) Dibromochloromethane	10.89	129	33325	19.394	ug/l	100
61) 1,2-Dibromoethane	10.99	107	31794	19.007	ug/l	100
64) Tetrachloroethene	10.62	164	30711	17.820	ug/l	98
65) Chlorobenzene	11.43	112	84054	19.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	31230	19.867	ug/l	98
67) Ethyl Benzene	11.50	91	157866	19.553	ug/l	99
68) m/p-Xylenes	11.61	106	114405	38.132	ug/l	98
69) o-Xylene	11.94	106	54221	18.931	ug/l	97
70) Styrene	11.96	104	87953	18.776	ug/l	98
71) Bromoform	12.12	173	22728	18.492	ug/l #	99
73) Isopropylbenzene	12.25	105	149137	19.547	ug/l	100
74) N-amyl acetate	12.06	43	69459	19.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	46560	20.180	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	41848m	19.076	ug/l	
77) Bromobenzene	12.52	156	35195	19.144	ug/l	98
78) n-propylbenzene	12.59	91	175712	19.494	ug/l	98
79) 2-Chlorotoluene	12.67	91	103594	19.235	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	125239	19.343	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	15309	17.923	ug/l	97
82) 4-Chlorotoluene	12.77	91	106765	19.464	ug/l	99
83) tert-Butylbenzene	12.99	119	105824	19.717	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	124442	19.428	ug/l	99
85) sec-Butylbenzene	13.17	105	144870	20.072	ug/l	100
86) p-Isopropyltoluene	13.28	119	127239	19.605	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	63178	19.484	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	63030	19.348	ug/l	98
89) n-Butylbenzene	13.61	91	118071	20.150	ug/l	99
90) Hexachloroethane	13.87	117	19761	20.947	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	60607	19.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8959	18.369	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37075	19.472	ug/l	99
94) Hexachlorobutadiene	15.01	225	19027	20.385	ug/l	99
95) Naphthalene	15.13	128	109099	19.051	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36592	19.512	ug/l	99

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

