

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061094.D
 Acq On : 20 Apr 2020 12:25
 Operator : JC/MD
 Sample : VN0420WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:00:03 PM

Quant Time: Apr 21 04:17:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	160028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	267340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100111	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.56	113	77295	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.08	98	281918	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.39	95	109002	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	40440	19.345	ug/l	99
3) Chloromethane	2.04	50	53827	18.965	ug/l	99
4) Vinyl Chloride	2.17	62	45152	19.143	ug/l	100
5) Bromomethane	2.55	94	23264	19.668	ug/l	98
6) Chloroethane	2.69	64	27147	19.952	ug/l	98
7) Trichlorofluoromethane	3.00	101	59240	20.174	ug/l	97
8) Diethyl Ether	3.38	74	23073	19.770	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34024	19.749	ug/l	99
10) Methyl Iodide	3.93	142	30171	19.851	ug/l	98
11) Tert butyl alcohol	4.72	59	30180	83.078	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	33818	19.311	ug/l	100
13) Acrolein	3.57	56	21840	71.203	ug/l	97
14) Allyl chloride	4.29	41	62610	18.896	ug/l	99
15) Acrylonitrile	4.94	53	93946	95.380	ug/l	99
16) Acetone	3.78	43	79978	88.747	ug/l	98
17) Carbon Disulfide	4.03	76	105485	19.250	ug/l	100
18) Methyl Acetate	4.28	43	53639	18.981	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	116893	19.143	ug/l	98
20) Methylene Chloride	4.52	84	37585	19.102	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	36778	19.635	ug/l	96
22) Diisopropyl ether	5.91	45	133996	19.472	ug/l	98
23) Vinyl Acetate	5.85	43	509016	94.325	ug/l	100
24) 1,1-Dichloroethane	5.81	63	71763	19.308	ug/l	99
25) 2-Butanone	6.79	43	123895	89.717	ug/l	99
26) 2,2-Dichloropropane	6.79	77	60934	19.690	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	41807	19.442	ug/l	100
28) Bromochloromethane	7.17	49	33675	19.738	ug/l	99
29) Tetrahydrofuran	7.17	42	85075	90.745	ug/l	100
30) Chloroform	7.34	83	68213	19.677	ug/l	96
31) Cyclohexane	7.63	56	71211	18.671	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	58277	19.435	ug/l	98
36) 1,1-Dichloropropene	7.77	75	53263	19.307	ug/l	99
37) Ethyl Acetate	6.89	43	55926	18.670	ug/l	99
38) Carbon Tetrachloride	7.75	117	44890	19.549	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	65134	19.748	ug/l	100
40) Benzene	8.02	78	158567	19.375	ug/l	100
41) Methacrylonitrile	7.14	41	25524	20.429	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	55213	19.804	ug/l	100
43) Isopropyl Acetate	8.14	43	90805	18.639	ug/l	99
44) Trichloroethene	8.81	130	39761	19.335	ug/l	97
45) 1,2-Dichloropropane	9.10	63	43026	19.464	ug/l	100
46) Dibromomethane	9.19	93	24943	19.570	ug/l	99
47) Bromodichloromethane	9.38	83	52544	19.515	ug/l	99
48) Methyl methacrylate	9.18	41	39667	18.424	ug/l	97
49) 1,4-Dioxane	9.18	88	9676	332.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	260118	92.620	ug/l	100
52) Toluene	10.14	92	94918	19.332	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59895	19.151	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	65606	19.226	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	36436	19.610	ug/l	98
56) Ethyl methacrylate	10.42	69	54325	18.594	ug/l	99
57) 1,3-Dichloropropane	10.69	76	64899	19.582	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	119646	90.120	ug/l	99
59) 2-Hexanone	10.74	43	183559	90.629	ug/l	99
60) Dibromochloromethane	10.89	129	36740	19.249	ug/l	99
61) 1,2-Dibromoethane	10.99	107	36671	19.369	ug/l	99
64) Tetrachloroethene	10.62	164	37962	20.541	ug/l	97
65) Chlorobenzene	11.42	112	96470	19.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	34553	19.371	ug/l	100
67) Ethyl Benzene	11.50	91	181748	19.380	ug/l	100
68) m/p-Xylenes	11.61	106	130956	38.638	ug/l	99
69) o-Xylene	11.94	106	62636	19.221	ug/l	99
70) Styrene	11.96	104	100379	19.134	ug/l	99
71) Bromoform	12.12	173	25248	18.963	ug/l #	97
73) Isopropylbenzene	12.24	105	170835	19.210	ug/l	99
74) N-amyl acetate	12.06	43	74117	17.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	50781	18.706	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	44376m	18.175	ug/l	
77) Bromobenzene	12.52	156	39312	18.933	ug/l	99
78) n-propylbenzene	12.59	91	202364	19.450	ug/l	100
79) 2-Chlorotoluene	12.67	91	119260	19.544	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	143417	19.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17473	17.652	ug/l	100
82) 4-Chlorotoluene	12.77	91	121383	19.179	ug/l	100
83) tert-Butylbenzene	12.99	119	119376	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	142723	19.643	ug/l	100
85) sec-Butylbenzene	13.17	105	163767	19.552	ug/l	99
86) p-Isopropyltoluene	13.28	119	144843	19.420	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	70713	19.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	70008	18.806	ug/l	99
89) n-Butylbenzene	13.61	91	132421	19.092	ug/l	100
90) Hexachloroethane	13.87	117	21786	19.038	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	66843	18.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	9583	18.240	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	39471	18.883	ug/l	98
94) Hexachlorobutadiene	15.01	225	21148	19.666	ug/l	97
95) Naphthalene	15.13	128	108682	17.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	38238	18.982	ug/l	98

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

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