

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031220\
 Data File : VN060467.D
 Acq On : 12 Mar 2020 10:28
 Operator : JC/MD
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:49:40 AM

Quant Time: Mar 13 02:21:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118106	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.56	113	89542	61.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.16%	
50) Toluene-d8	10.08	98	345766	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.40	95	130891	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	26585	15.260	ug/l	99
3) Chloromethane	2.03	50	49700	16.386	ug/l	98
4) Vinyl Chloride	2.16	62	40953	15.743	ug/l	98
5) Bromomethane	2.55	94	18247	15.782	ug/l	100
6) Chloroethane	2.68	64	23321	16.547	ug/l	96
7) Trichlorofluoromethane	3.00	101	55615	16.734	ug/l	99
8) Diethyl Ether	3.38	74	22531	17.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33262	17.684	ug/l	98
10) Methyl Iodide	3.93	142	23701	13.807	ug/l	100
11) Tert butyl alcohol	4.73	59	36144	99.844	ug/l	100
12) 1,1-Dichloroethene	3.72	96	32107	17.538	ug/l	99
13) Acrolein	3.57	56	33969	100.584	ug/l	96
14) Allyl chloride	4.29	41	61521	18.278	ug/l	100
15) Acrylonitrile	4.94	53	94449	98.985	ug/l	99
16) Acetone	3.78	43	82012	104.170	ug/l	99
17) Carbon Disulfide	4.03	76	77341	15.478	ug/l	98
18) Methyl Acetate	4.28	43	49533	18.853	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	124153	18.732	ug/l	97
20) Methylene Chloride	4.52	84	38231	17.682	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34970	17.553	ug/l	98
22) Diisopropyl ether	5.91	45	133347	19.558	ug/l	96
23) Vinyl Acetate	5.86	43	522256	96.397	ug/l	99
24) 1,1-Dichloroethane	5.82	63	72176	18.701	ug/l	100
25) 2-Butanone	6.80	43	128067	100.709	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65167	18.548	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	43877	17.501	ug/l	100
28) Bromochloromethane	7.17	49	30470	19.229	ug/l	97
29) Tetrahydrofuran	7.18	42	86156	97.431	ug/l	98
30) Chloroform	7.35	83	71104	18.507	ug/l	97
31) Cyclohexane	7.63	56	63073	18.301	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	61871	18.176	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52087	17.445	ug/l	99
37) Ethyl Acetate	6.90	43	54429	19.253	ug/l	99
38) Carbon Tetrachloride	7.75	117	49059	16.876	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	58582	16.641	ug/l	97
40) Benzene	8.02	78	157252	18.096	ug/l	99
41) Methacrylonitrile	7.14	41	21848m	16.737	ug/l	
42) 1,2-Dichloroethane	8.10	62	57772	18.423	ug/l	99
43) Isopropyl Acetate	8.14	43	95696	19.335	ug/l	99
44) Trichloroethene	8.82	130	41817	17.278	ug/l	96
45) 1,2-Dichloropropane	9.10	63	45280	19.929	ug/l	99
46) Dibromomethane	9.19	93	26775	18.162	ug/l	99
47) Bromodichloromethane	9.38	83	56381	18.804	ug/l	99
48) Methyl methacrylate	9.18	41	40829	18.090	ug/l	98
49) 1,4-Dioxane	9.18	88	12446	392.137	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	277739	98.974	ug/l	99
52) Toluene	10.14	92	96582	17.693	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	64232	17.483	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	70155	18.428	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40174	18.301	ug/l	98
56) Ethyl methacrylate	10.42	69	58880	18.670	ug/l	99
57) 1,3-Dichloropropane	10.70	76	67831	18.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	158632	96.173	ug/l	98
59) 2-Hexanone	10.74	43	196672	95.455	ug/l	100
60) Dibromochloromethane	10.89	129	41841	18.742	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38051	17.781	ug/l	99
64) Tetrachloroethene	10.62	164	41938	17.650	ug/l	99
65) Chlorobenzene	11.43	112	101608	17.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39523	18.450	ug/l	99
67) Ethyl Benzene	11.50	91	189113	17.925	ug/l	100
68) m/p-Xylenes	11.61	106	138184	34.715	ug/l	98
69) o-Xylene	11.94	106	67071	17.670	ug/l	99
70) Styrene	11.96	104	109650	17.570	ug/l	99
71) Bromoform	12.12	173	28881	18.707	ug/l #	97
73) Isopropylbenzene	12.24	105	185818	18.160	ug/l	100
74) N-amyl acetate	12.06	43	81342	18.192	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55139	19.824	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	56099m	18.521	ug/l	
77) Bromobenzene	12.52	156	43816	17.469	ug/l	96
78) n-propylbenzene	12.59	91	211554	17.638	ug/l	100
79) 2-Chlorotoluene	12.67	91	126272	17.910	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154469	17.930	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20273	18.476	ug/l #	85
82) 4-Chlorotoluene	12.77	91	128915	17.355	ug/l	99
83) tert-Butylbenzene	12.99	119	131200	17.589	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	154374	17.753	ug/l	100
85) sec-Butylbenzene	13.17	105	177046	17.725	ug/l	99
86) p-Isopropyltoluene	13.28	119	158100	17.101	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78152	18.011	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	77633	17.894	ug/l	98
89) n-Butylbenzene	13.61	91	141167	16.634	ug/l	99
90) Hexachloroethane	13.87	117	21864	16.339	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	78023	17.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11352	18.023	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	45523	16.360	ug/l	99
94) Hexachlorobutadiene	15.01	225	23729	18.120	ug/l	99
95) Naphthalene	15.13	128	131170	15.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44320	16.730	ug/l	99

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

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