

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060626.D
 Acq On : 19 Mar 2020 11:02
 Operator : JC/MD
 Sample : VN0319WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:33 PM

Quant Time: Mar 20 06:57:14 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	209756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	342689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131175	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	7.56	113	97820	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.08	98	393431	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
62) 4-Bromofluorobenzene	12.40	95	139592	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38659	19.048	ug/l	97
3) Chloromethane	2.04	50	65334	17.236	ug/l	98
4) Vinyl Chloride	2.16	62	53469	18.034	ug/l	98
5) Bromomethane	2.55	94	25282	19.754	ug/l	100
6) Chloroethane	2.68	64	30907	18.097	ug/l	98
7) Trichlorofluoromethane	3.00	101	68867	18.856	ug/l	99
8) Diethyl Ether	3.38	74	27975	19.067	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40967	19.358	ug/l	99
10) Methyl Iodide	3.92	142	35916	19.073	ug/l	99
11) Tert butyl alcohol	4.72	59	37350	88.198	ug/l	97
12) 1,1-Dichloroethene	3.71	96	41719	18.370	ug/l	99
13) Acrolein	3.58	56	33861	72.146	ug/l	99
14) Allyl chloride	4.29	41	77556	19.417	ug/l	95
15) Acrylonitrile	4.94	53	109090	87.603	ug/l	100
16) Acetone	3.78	43	96109	94.227	ug/l	99
17) Carbon Disulfide	4.03	76	126578	18.327	ug/l	100
18) Methyl Acetate	4.29	43	49778	17.339	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	140775	18.030	ug/l	98
20) Methylene Chloride	4.52	84	45306	18.057	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	44549	18.406	ug/l	97
22) Diisopropyl ether	5.91	45	157860	18.707	ug/l	98
23) Vinyl Acetate	5.86	43	639556	92.889	ug/l	100
24) 1,1-Dichloroethane	5.81	63	85292	18.541	ug/l	99
25) 2-Butanone	6.80	43	146546	88.790	ug/l	99
26) 2,2-Dichloropropane	6.79	77	73984	20.441	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	51519	18.731	ug/l	99
28) Bromochloromethane	7.17	49	41904	19.039	ug/l	99
29) Tetrahydrofuran	7.18	42	98500	84.348	ug/l	99
30) Chloroform	7.34	83	81566	18.495	ug/l	98
31) Cyclohexane	7.63	56	85249	18.382	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	70678	18.591	ug/l	98
36) 1,1-Dichloropropene	7.77	75	64843	19.541	ug/l	99
37) Ethyl Acetate	6.89	43	66025	18.415	ug/l	99
38) Carbon Tetrachloride	7.75	117	55715	18.734	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	76653	19.438	ug/l	98
40) Benzene	8.02	78	190541	19.022	ug/l	100
41) Methacrylonitrile	7.15	41	31056m	20.296	ug/l	
42) 1,2-Dichloroethane	8.10	62	65453	19.119	ug/l	100
43) Isopropyl Acetate	8.14	43	107737	18.220	ug/l	100
44) Trichloroethene	8.82	130	49090	19.440	ug/l	100
45) 1,2-Dichloropropane	9.10	63	51887	19.630	ug/l	97
46) Dibromomethane	9.19	93	30340	18.987	ug/l	100
47) Bromodichloromethane	9.38	83	62680	18.876	ug/l	100
48) Methyl methacrylate	9.18	41	46913	17.819	ug/l	99
49) 1,4-Dioxane	9.18	88	12742	407.186	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	302719	89.965	ug/l	100
52) Toluene	10.14	92	114540	18.933	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	73323	19.223	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	80432	19.222	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	44262	19.018	ug/l	99
56) Ethyl methacrylate	10.42	69	66191	18.240	ug/l	97
57) 1,3-Dichloropropane	10.70	76	77677	19.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162100	89.875	ug/l	100
59) 2-Hexanone	10.74	43	213926	88.258	ug/l	100
60) Dibromochloromethane	10.89	129	44847	18.655	ug/l	100
61) 1,2-Dibromoethane	10.99	107	43573	18.618	ug/l	100
64) Tetrachloroethene	10.62	164	48349	19.875	ug/l	99
65) Chlorobenzene	11.42	112	115455	18.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42753	19.268	ug/l	99
67) Ethyl Benzene	11.50	91	220622	19.358	ug/l	99
68) m/p-Xylenes	11.61	106	162513	38.373	ug/l	99
69) o-Xylene	11.94	106	78504	19.418	ug/l	99
70) Styrene	11.96	104	123055	18.611	ug/l	99
71) Bromoform	12.12	173	30882	17.863	ug/l #	99
73) Isopropylbenzene	12.24	105	207029	19.456	ug/l	100
74) N-amyl acetate	12.06	43	88971	18.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59005	18.336	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	53396m	17.452	ug/l	
77) Bromobenzene	12.52	156	48004	18.721	ug/l	99
78) n-propylbenzene	12.59	91	242565	19.294	ug/l	99
79) 2-Chlorotoluene	12.67	91	142504	18.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	173322	19.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21516	18.061	ug/l	97
82) 4-Chlorotoluene	12.77	91	146138	19.102	ug/l	100
83) tert-Butylbenzene	12.99	119	143618	19.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	172484	19.307	ug/l	99
85) sec-Butylbenzene	13.17	105	193416	19.214	ug/l	100
86) p-Isopropyltoluene	13.28	119	172505	19.057	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85039	18.804	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	85063	18.722	ug/l	99
89) n-Butylbenzene	13.61	91	155398	19.015	ug/l	100
90) Hexachloroethane	13.87	117	24396	18.541	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82520	19.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11044	16.204	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	47409	17.853	ug/l	99
94) Hexachlorobutadiene	15.01	225	24054	18.478	ug/l	99
95) Naphthalene	15.13	128	133226	16.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45468	17.383	ug/l	99

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

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