

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060871.D
 Acq On : 7 Apr 2020 12:40
 Operator : JC/MD
 Sample : VN0407WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:13 AM

Quant Time: Apr 08 07:46:06 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	197636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	319794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125330	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	7.56	113	95114	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.08	98	377088	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.40	95	136507	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32507	16.999	ug/l	98
3) Chloromethane	2.04	50	55640	15.579	ug/l	100
4) Vinyl Chloride	2.17	62	45279	16.209	ug/l	97
5) Bromomethane	2.55	94	24073	19.962	ug/l	99
6) Chloroethane	2.69	64	29260	18.183	ug/l	99
7) Trichlorofluoromethane	3.00	101	62979	18.301	ug/l	97
8) Diethyl Ether	3.38	74	25781	18.649	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37749	18.931	ug/l	99
10) Methyl Iodide	3.93	142	30067	16.946	ug/l	98
11) Tert butyl alcohol	4.72	59	31498	78.940	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	38225	17.864	ug/l	99
13) Acrolein	3.57	56	30533	69.045	ug/l	98
14) Allyl chloride	4.29	41	68334	18.157	ug/l	98
15) Acrylonitrile	4.94	53	104360	88.944	ug/l	99
16) Acetone	3.78	43	90108	93.762	ug/l	99
17) Carbon Disulfide	4.03	76	106466	16.360	ug/l	99
18) Methyl Acetate	4.29	43	50366	18.619	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	134327	18.259	ug/l	97
20) Methylene Chloride	4.52	84	44126	18.665	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	40214	17.634	ug/l	96
22) Diisopropyl ether	5.91	45	154832	19.473	ug/l	97
23) Vinyl Acetate	5.86	43	611994	94.337	ug/l	100
24) 1,1-Dichloroethane	5.82	63	82453	19.023	ug/l	99
25) 2-Butanone	6.80	43	135838	87.349	ug/l	99
26) 2,2-Dichloropropane	6.79	77	69932	20.506	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	47933	18.496	ug/l	99
28) Bromochloromethane	7.17	49	38114	18.379	ug/l	100
29) Tetrahydrofuran	7.18	42	93464	84.944	ug/l	98
30) Chloroform	7.34	83	78254	18.833	ug/l	100
31) Cyclohexane	7.63	56	78221	17.901	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	66745	18.633	ug/l	99
36) 1,1-Dichloropropene	7.77	75	59791	19.309	ug/l	100
37) Ethyl Acetate	6.89	43	60063	17.951	ug/l	99
38) Carbon Tetrachloride	7.75	117	51273	18.475	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71457	19.418	ug/l	99
40) Benzene	8.02	78	179485	19.201	ug/l	98
41) Methacrylonitrile	7.14	41	26147m	18.311	ug/l	
42) 1,2-Dichloroethane	8.10	62	62182	19.464	ug/l	99
43) Isopropyl Acetate	8.14	43	101520	18.398	ug/l	100
44) Trichloroethene	8.81	130	45159	19.164	ug/l	99
45) 1,2-Dichloropropane	9.10	63	50072	20.300	ug/l	96
46) Dibromomethane	9.19	93	28934	19.403	ug/l	99
47) Bromodichloromethane	9.38	83	60089	19.391	ug/l	100
48) Methyl methacrylate	9.18	41	44151	17.971	ug/l	98
49) 1,4-Dioxane	9.18	88	11079	379.390	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	288475	91.870	ug/l	99
52) Toluene	10.14	92	107761	19.088	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69935	19.648	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76142	19.499	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41847	19.268	ug/l	98
56) Ethyl methacrylate	10.42	69	62460	18.444	ug/l	98
57) 1,3-Dichloropropane	10.70	76	73561	19.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	138541	82.312	ug/l	100
59) 2-Hexanone	10.74	43	199191	88.062	ug/l	100
60) Dibromochloromethane	10.89	129	42986	19.161	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41555	19.027	ug/l	100
64) Tetrachloroethene	10.62	164	42464	18.401	ug/l	98
65) Chlorobenzene	11.43	112	110192	18.955	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40392	19.190	ug/l	99
67) Ethyl Benzene	11.50	91	206993	19.146	ug/l	98
68) m/p-Xylenes	11.61	106	154344	38.419	ug/l	99
69) o-Xylene	11.94	106	72664	18.947	ug/l	99
70) Styrene	11.96	104	115528	18.419	ug/l	99
71) Bromoform	12.12	173	29772	18.127	ug/l #	100
73) Isopropylbenzene	12.24	105	196679	19.205	ug/l	99
74) N-amyl acetate	12.06	43	84147	17.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57542	18.580	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	51957m	17.645	ug/l	
77) Bromobenzene	12.52	156	46214	18.728	ug/l	99
78) n-propylbenzene	12.59	91	232727	19.235	ug/l	99
79) 2-Chlorotoluene	12.67	91	135172	18.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165673	19.063	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19784	17.256	ug/l	98
82) 4-Chlorotoluene	12.77	91	138508	18.812	ug/l	100
83) tert-Butylbenzene	12.99	119	141986	19.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	163817	19.053	ug/l	99
85) sec-Butylbenzene	13.17	105	189809	19.593	ug/l	99
86) p-Isopropyltoluene	13.28	119	171306	19.664	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	84252	19.358	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	82293	18.820	ug/l	99
89) n-Butylbenzene	13.61	91	155919	19.824	ug/l	99
90) Hexachloroethane	13.87	117	26336	20.798	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	79514	19.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10693	16.304	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	47554	18.607	ug/l	99
94) Hexachlorobutadiene	15.01	225	26098	20.831	ug/l	98
95) Naphthalene	15.13	128	127652	16.607	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46670	18.540	ug/l	97

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

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