

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062411.D
 Acq On : 8 Jul 2020 16:38
 Operator : JC/MD
 Sample : VN0708WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:10 AM

Quant Time: Jul 09 02:40:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	331810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130000	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	153874	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.55	113	107873	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.06	98	425568	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.38	95	149452	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	37454	18.983	ug/l	95
3) Chloromethane	2.04	50	58362	18.435	ug/l	98
4) Vinyl Chloride	2.16	62	49214	18.974	ug/l	100
5) Bromomethane	2.53	94	27690	19.878	ug/l	99
6) Chloroethane	2.67	64	29119	19.276	ug/l	96
7) Trichlorofluoromethane	2.98	101	62821	19.071	ug/l	100
8) Diethyl Ether	3.37	74	28149	19.110	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37709	19.311	ug/l	99
10) Methyl Iodide	3.91	142	47644	18.478	ug/l	99
11) Tert butyl alcohol	4.73	59	47159	95.420	ug/l	99
12) 1,1-Dichloroethene	3.70	96	37890	19.058	ug/l	97
13) Acrolein	3.57	56	31215	87.554	ug/l	99
14) Allyl chloride	4.28	41	90008	19.250	ug/l	99
15) Acrylonitrile	4.93	53	127755	98.562	ug/l	100
16) Acetone	3.78	43	114278	90.345	ug/l	99
17) Carbon Disulfide	4.01	76	114880	18.440	ug/l	100
18) Methyl Acetate	4.28	43	59569	18.871	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	143704	19.065	ug/l	100
20) Methylene Chloride	4.50	84	49626	18.349	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	41114	19.088	ug/l	97
22) Diisopropyl ether	5.90	45	182650	19.771	ug/l	95
23) Vinyl Acetate	5.84	43	747062	97.622	ug/l	99
24) 1,1-Dichloroethane	5.80	63	92110	19.296	ug/l	100
25) 2-Butanone	6.79	43	176010	95.279	ug/l	99
26) 2,2-Dichloropropane	6.77	77	70662	19.306	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	49180	19.713	ug/l	98
28) Bromochloromethane	7.15	49	45070	17.378	ug/l	100
29) Tetrahydrofuran	7.17	42	118704	95.443	ug/l	99
30) Chloroform	7.33	83	83692	19.417	ug/l	99
31) Cyclohexane	7.62	56	83536	18.459	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	68387	19.075	ug/l	99
36) 1,1-Dichloropropene	7.75	75	63180	18.900	ug/l	99
37) Ethyl Acetate	6.88	43	74788	19.133	ug/l	99
38) Carbon Tetrachloride	7.74	117	58723	19.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	68840	19.289	ug/l	99
40) Benzene	8.00	78	193457	19.636	ug/l	99
41) Methacrylonitrile	7.12	41	28210	17.273	ug/l	87
42) 1,2-Dichloroethane	8.09	62	72243	20.025	ug/l	100
43) Isopropyl Acetate	8.13	43	122452	19.830	ug/l	99
44) Trichloroethene	8.80	130	43137	19.734	ug/l	98
45) 1,2-Dichloropropane	9.09	63	55585	19.435	ug/l	97
46) Dibromomethane	9.18	93	31892	19.759	ug/l	98
47) Bromodichloromethane	9.37	83	65803	19.069	ug/l	100
48) Methyl methacrylate	9.17	41	57782	19.076	ug/l	99
49) 1,4-Dioxane	9.17	88	16933	384.071	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	367930	99.758	ug/l	99
52) Toluene	10.13	92	111432	19.581	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	75544	19.541	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	82061	19.238	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	44510	19.886	ug/l	96
56) Ethyl methacrylate	10.40	69	74342	19.142	ug/l	100
57) 1,3-Dichloropropane	10.68	76	80186	19.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	127011	95.651	ug/l	99
59) 2-Hexanone	10.72	43	264345	98.726	ug/l	100
60) Dibromochloromethane	10.87	129	47249	19.469	ug/l	100
61) 1,2-Dibromoethane	10.98	107	43567	19.282	ug/l	99
64) Tetrachloroethene	10.60	164	35607	19.909	ug/l	95
65) Chlorobenzene	11.41	112	114391	19.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	41714	19.311	ug/l	98
67) Ethyl Benzene	11.48	91	213244	19.394	ug/l	100
68) m/p-Xylenes	11.60	106	154950	39.808	ug/l	98
69) o-Xylene	11.92	106	75192	19.841	ug/l	96
70) Styrene	11.94	104	123218	19.673	ug/l	99
71) Bromoform	12.10	173	31297	19.764	ug/l #	97
73) Isopropylbenzene	12.22	105	200660	19.947	ug/l	99
74) N-amyl acetate	12.05	43	98253	20.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68275	20.185	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	65555m	20.552	ug/l	
77) Bromobenzene	12.50	156	45505	19.897	ug/l	98
78) n-propylbenzene	12.57	91	233580	19.878	ug/l	100
79) 2-Chlorotoluene	12.65	91	139603	19.575	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	167268	20.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	22513	18.891	ug/l	98
82) 4-Chlorotoluene	12.75	91	143343	19.798	ug/l	99
83) tert-Butylbenzene	12.97	119	137883	19.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	159819	19.497	ug/l	98
85) sec-Butylbenzene	13.15	105	184775	19.925	ug/l	100
86) p-Isopropyltoluene	13.27	119	158721	19.830	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	78166	19.812	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	78531	19.345	ug/l	98
89) n-Butylbenzene	13.59	91	131054	18.544	ug/l	100
90) Hexachloroethane	13.85	117	30560	19.410	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	76950	20.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12517	20.278	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	33911	19.877	ug/l	98
94) Hexachlorobutadiene	14.98	225	20620	20.359	ug/l	99
95) Naphthalene	15.10	128	94133	20.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34578	18.970	ug/l	97

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

