

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059120.D
 Acq On : 7 Nov 2019 14:26
 Operator : JC/SP
 Sample : VN1107WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:16 AM

Quant Time: Nov 08 02:53:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	471105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	738101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	659144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	292989	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	7.57	113	231242	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	10.08	98	888013	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	311395	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91656	19.310	ug/l	96
3) Chloromethane	2.04	50	122839	19.038	ug/l	100
4) Vinyl Chloride	2.17	62	122068	19.514	ug/l	99
5) Bromomethane	2.54	94	72443	20.124	ug/l	98
6) Chloroethane	2.68	64	71289	19.265	ug/l	93
7) Trichlorofluoromethane	3.00	101	152709	20.409	ug/l	100
8) Diethyl Ether	3.39	74	61151	20.114	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91421	20.264	ug/l	99
10) Methyl Iodide	3.93	142	109386	19.589	ug/l	99
11) Tert butyl alcohol	4.75	59	116385	105.454	ug/l	100
12) 1,1-Dichloroethene	3.71	96	88963	20.243	ug/l	99
13) Acrolein	3.58	56	52312	91.933	ug/l	99
14) Allyl chloride	4.30	41	175667	19.460	ug/l	100
15) Acrylonitrile	4.96	53	294476	107.214	ug/l	99
16) Acetone	3.79	43	298942	99.267	ug/l	100
17) Carbon Disulfide	4.03	76	255874	18.756	ug/l	98
18) Methyl Acetate	4.30	43	154545	21.621	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	310340	20.511	ug/l	99
20) Methylene Chloride	4.53	84	104626	19.942	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95220	20.186	ug/l	95
22) Diisopropyl ether	5.92	45	350321	20.545	ug/l	95
23) Vinyl Acetate	5.87	43	1443876	109.261	ug/l	99
24) 1,1-Dichloroethane	5.82	63	192060	20.167	ug/l	98
25) 2-Butanone	6.81	43	412696	103.981	ug/l	99
26) 2,2-Dichloropropane	6.80	77	160977	19.331	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	111605	20.393	ug/l	98
28) Bromochloromethane	7.17	49	60223	21.019	ug/l	100
29) Tetrahydrofuran	7.19	42	267823	106.200	ug/l	99
30) Chloroform	7.35	83	184884	20.238	ug/l	99
31) Cyclohexane	7.63	56	175524	19.469	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	158224	20.600	ug/l	98
36) 1,1-Dichloropropene	7.77	75	138463	20.070	ug/l	100
37) Ethyl Acetate	6.90	43	159918	20.836	ug/l	98
38) Carbon Tetrachloride	7.75	117	137254	19.988	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	157950	19.726	ug/l	100
40) Benzene	8.02	78	423599	20.389	ug/l	99
41) Methacrylonitrile	7.15	41	64350m	19.281	ug/l	
42) 1,2-Dichloroethane	8.10	62	147688	20.727	ug/l	99
43) Isopropyl Acetate	8.15	43	248452	20.305	ug/l	99
44) Trichloroethene	8.82	130	102921	20.153	ug/l	100
45) 1,2-Dichloropropane	9.10	63	115278	20.428	ug/l	99
46) Dibromomethane	9.19	93	70966	20.181	ug/l	100
47) Bromodichloromethane	9.39	83	144719	20.610	ug/l	99
48) Methyl methacrylate	9.18	41	109299	19.970	ug/l	100
49) 1,4-Dioxane	9.18	88	41406	425.703	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	792638	114.487	ug/l	100
52) Toluene	10.15	92	254495	20.438	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	159985	19.721	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	176360	20.210	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	103364	20.511	ug/l	99
56) Ethyl methacrylate	10.42	69	151951	19.274	ug/l	98
57) 1,3-Dichloropropane	10.70	76	180510	20.811	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	309291	110.278	ug/l	99
59) 2-Hexanone	10.74	43	588928	110.825	ug/l	100
60) Dibromochloromethane	10.90	129	107732	20.219	ug/l	100
61) 1,2-Dibromoethane	11.00	107	104096	20.405	ug/l	100
64) Tetrachloroethene	10.63	164	90321	20.152	ug/l	98
65) Chlorobenzene	11.43	112	266493	20.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	101102	20.975	ug/l	99
67) Ethyl Benzene	11.51	91	477028	20.925	ug/l	100
68) m/p-Xylenes	11.62	106	350383	41.030	ug/l	98
69) o-Xylene	11.95	106	167018	20.238	ug/l	99
70) Styrene	11.96	104	267496	20.609	ug/l	99
71) Bromoform	12.13	173	77522	20.677	ug/l #	99
73) Isopropylbenzene	12.25	105	451400	20.943	ug/l	100
74) N-amyl acetate	12.07	43	189889	20.791	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	158782	21.632	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	139527m	20.682	ug/l	
77) Bromobenzene	12.53	156	110388	20.384	ug/l	99
78) n-propylbenzene	12.59	91	520938	21.108	ug/l	99
79) 2-Chlorotoluene	12.67	91	320121	20.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	383162	20.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53899	21.103	ug/l	98
82) 4-Chlorotoluene	12.77	91	315346	20.536	ug/l	98
83) tert-Butylbenzene	12.99	119	324006	20.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	367701	20.809	ug/l	100
85) sec-Butylbenzene	13.17	105	425298	20.733	ug/l	100
86) p-Isopropyltoluene	13.29	119	376947	20.812	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	189014	20.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	185400	19.982	ug/l	100
89) n-Butylbenzene	13.62	91	307972	19.427	ug/l	100
90) Hexachloroethane	13.88	117	73289	20.151	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	189280	20.749	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30663	20.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95309	19.218	ug/l	99
94) Hexachlorobutadiene	15.01	225	61159	19.444	ug/l	98
95) Naphthalene	15.13	128	256722	18.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	98999	19.365	ug/l	100

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

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