

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\
 Data File : VN059493.D
 Acq On : 5 Dec 2019 12:36
 Operator : JC/SP
 Sample : VN1205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 2:54:43 PM

Quant Time: Dec 06 00:43:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	333875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	525847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	469340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	161560	38.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.90%	
35) Dibromofluoromethane	7.57	113	125270	38.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.50%	
50) Toluene-d8	10.08	98	488524	37.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.66%	
62) 4-Bromofluorobenzene	12.40	95	168995	37.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66126	17.798	ug/l	99
3) Chloromethane	2.04	50	89609	17.995	ug/l	99
4) Vinyl Chloride	2.17	62	86193	28.845	ug/l	97
5) Bromomethane	2.55	94	31387	17.284	ug/l	96
6) Chloroethane	2.68	64	29831	16.909	ug/l	93
7) Trichlorofluoromethane	3.00	101	63085	17.481	ug/l	97
8) Diethyl Ether	3.38	74	40435	17.197	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	63631	17.962	ug/l	98
10) Methyl Iodide	3.92	142	75288	16.784	ug/l	98
11) Tert butyl alcohol	4.76	59	70367	90.033	ug/l	100
12) 1,1-Dichloroethene	3.71	96	60147	17.369	ug/l	94
13) Acrolein	3.58	56	55187	81.360	ug/l	100
14) Allyl chloride	4.29	41	122084	17.899	ug/l	98
15) Acrylonitrile	4.95	53	189652	89.694	ug/l	99
16) Acetone	3.79	43	183526	75.606	ug/l	99
17) Carbon Disulfide	4.02	76	198968	16.839	ug/l	99
18) Methyl Acetate	4.30	43	99494	17.820	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	212572	18.011	ug/l	99
20) Methylene Chloride	4.52	84	73657	18.089	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	69038	17.817	ug/l	100
22) Diisopropyl ether	5.92	45	236552	18.633	ug/l	98
23) Vinyl Acetate	5.86	43	979617	96.165	ug/l	98
24) 1,1-Dichloroethane	5.82	63	135139	18.739	ug/l	98
25) 2-Butanone	6.81	43	259417	82.289	ug/l	100
26) 2,2-Dichloropropane	6.80	77	115088	18.451	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	77174	17.933	ug/l	99
28) Bromochloromethane	7.17	49	43522	15.904	ug/l	97
29) Tetrahydrofuran	7.18	42	174578	88.069	ug/l	99
30) Chloroform	7.35	83	126994	18.238	ug/l	98
31) Cyclohexane	7.63	56	124626	17.835	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	108568	17.939	ug/l	98
36) 1,1-Dichloropropene	7.77	75	99236	18.135	ug/l	99
37) Ethyl Acetate	6.90	43	107326	17.559	ug/l	99
38) Carbon Tetrachloride	7.75	117	97876	18.597	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	117423	17.831	ug/l	98
40) Benzene	8.02	78	295637	18.449	ug/l	100
41) Methacrylonitrile	7.14	41	44795	18.083	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	102597	18.848	ug/l	99
43) Isopropyl Acetate	8.14	43	163711	18.008	ug/l	99
44) Trichloroethene	8.82	130	74485	17.787	ug/l	100
45) 1,2-Dichloropropane	9.10	63	80344	18.767	ug/l	99
46) Dibromomethane	9.19	93	49104	18.423	ug/l	99
47) Bromodichloromethane	9.39	83	97317	18.210	ug/l	99
48) Methyl methacrylate	9.18	41	72258	17.617	ug/l	98
49) 1,4-Dioxane	9.19	88	23964	386.128	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	498993	92.468	ug/l	99
52) Toluene	10.14	92	179073	18.478	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	112732	17.926	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	123812	18.575	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	69851	18.284	ug/l	98
56) Ethyl methacrylate	10.42	69	101092	17.322	ug/l	98
57) 1,3-Dichloropropane	10.70	76	121421	18.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	153714	84.067	ug/l	100
59) 2-Hexanone	10.74	43	358889	88.371	ug/l	98
60) Dibromochloromethane	10.90	129	74535	18.272	ug/l	97
61) 1,2-Dibromoethane	11.00	107	71012	17.988	ug/l	98
64) Tetrachloroethene	10.62	164	70022	17.539	ug/l	99
65) Chlorobenzene	11.43	112	183538	17.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	68764	18.652	ug/l	99
67) Ethyl Benzene	11.51	91	333438	18.548	ug/l	99
68) m/p-Xylenes	11.62	106	244405	36.513	ug/l	98
69) o-Xylene	11.94	106	116971	18.355	ug/l	100
70) Styrene	11.96	104	184200	18.107	ug/l	99
71) Bromoform	12.12	173	50818	17.684	ug/l #	99
73) Isopropylbenzene	12.25	105	310356	18.322	ug/l	100
74) N-amyl acetate	12.07	43	119556	17.523	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	100933	18.576	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98973m	18.846	ug/l	
77) Bromobenzene	12.53	156	75734	17.892	ug/l	98
78) n-propylbenzene	12.59	91	365925	18.563	ug/l	99
79) 2-Chlorotoluene	12.67	91	214808	18.077	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	264354	18.675	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36291	18.135	ug/l	98
82) 4-Chlorotoluene	12.77	91	221346	18.054	ug/l	99
83) tert-Butylbenzene	12.99	119	221583	18.030	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255926	18.500	ug/l	99
85) sec-Butylbenzene	13.17	105	302232	18.555	ug/l	99
86) p-Isopropyltoluene	13.29	119	268003	18.361	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	134330	17.999	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	132279	17.575	ug/l	99
89) n-Butylbenzene	13.62	91	233209	17.833	ug/l	99
90) Hexachloroethane	13.88	117	50220	17.839	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129050	18.038	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20756	18.441	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71746	16.427	ug/l	98
94) Hexachlorobutadiene	15.01	225	47068	18.166	ug/l	99
95) Naphthalene	15.13	128	187469	17.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	73721	18.107	ug/l	97

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

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