

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059836.D
 Acq On : 24 Jan 2020 11:17
 Operator : JC/MD
 Sample : VN0124WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:15:32 AM

Quant Time: Jan 25 00:51:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115815	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.56	113	97048	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.08	98	370833	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	130726	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	49350	19.744	ug/l	98
3) Chloromethane	2.03	50	45365	18.990	ug/l	96
4) Vinyl Chloride	2.17	62	57488	21.033	ug/l	98
5) Bromomethane	2.54	94	35215	21.112	ug/l	99
6) Chloroethane	2.68	64	26435	20.443	ug/l	98
7) Trichlorofluoromethane	3.00	101	69268	21.102	ug/l	96
8) Diethyl Ether	3.38	74	24541	21.304	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40479	22.157	ug/l	94
10) Methyl Iodide	3.93	142	58173	19.700	ug/l	95
11) Tert butyl alcohol	4.73	59	39080	100.183	ug/l	99
12) 1,1-Dichloroethene	3.72	96	38909	20.382	ug/l	86
13) Acrolein	3.58	56	23084	83.598	ug/l	96
14) Allyl chloride	4.29	41	56766	22.062	ug/l #	93
15) Acrylonitrile	4.95	53	90005	101.150	ug/l	99
16) Acetone	3.78	43	110310	134.970	ug/l	96
17) Carbon Disulfide	4.03	76	99364	18.272	ug/l	99
18) Methyl Acetate	4.29	43	55127	20.367	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	132793	21.335	ug/l	96
20) Methylene Chloride	4.52	84	43562	20.003	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	41071	20.240	ug/l	86
22) Diisopropyl ether	5.92	45	119671	20.523	ug/l #	94
23) Vinyl Acetate	5.86	43	438906	97.218	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	73464	20.619	ug/l	97
25) 2-Butanone	6.80	43	134045	102.153	ug/l	92
26) 2,2-Dichloropropane	6.80	77	70263	20.513	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	49174	21.069	ug/l	87
28) Bromochloromethane	7.17	49	27666	19.428	ug/l #	73
29) Tetrahydrofuran	7.18	42	78077	96.167	ug/l #	86
30) Chloroform	7.35	83	78544	21.276	ug/l	97
31) Cyclohexane	7.63	56	64175	18.719	ug/l	86
32) 1,1,1-Trichloroethane	7.55	97	71207	20.862	ug/l	96
36) 1,1-Dichloropropene	7.77	75	56633	20.359	ug/l	96
37) Ethyl Acetate	6.90	43	48569	18.616	ug/l #	95
38) Carbon Tetrachloride	7.75	117	63553	21.003	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67568	19.700	ug/l	91
40) Benzene	8.02	78	170070	20.501	ug/l	100
41) Methacrylonitrile	7.15	41	21870m	17.019	ug/l	
42) 1,2-Dichloroethane	8.10	62	61021	21.694	ug/l	97
43) Isopropyl Acetate	8.14	43	88592	19.742	ug/l #	95
44) Trichloroethene	8.82	130	50710	22.392	ug/l	92
45) 1,2-Dichloropropane	9.10	63	43637	21.257	ug/l	99
46) Dibromomethane	9.19	93	31563	21.796	ug/l	92
47) Bromodichloromethane	9.39	83	62340	21.363	ug/l	99
48) Methyl methacrylate	9.18	41	38289	19.075	ug/l	90
49) 1,4-Dioxane	9.18	88	16699	454.451	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	253156	97.590	ug/l	94
52) Toluene	10.14	92	110161	21.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	68461	21.011	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	72651	21.191	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	45507	21.927	ug/l	95
56) Ethyl methacrylate	10.42	69	61892	19.517	ug/l	93
57) 1,3-Dichloropropane	10.70	76	71473	21.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	107217	112.249	ug/l	92
59) 2-Hexanone	10.74	43	192208	100.576	ug/l	92
60) Dibromochloromethane	10.89	129	50871	21.525	ug/l	99
61) 1,2-Dibromoethane	11.00	107	46082	21.185	ug/l	100
64) Tetrachloroethene	10.62	164	55567	23.589	ug/l	96
65) Chlorobenzene	11.43	112	121487	21.385	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	47734	21.745	ug/l	98
67) Ethyl Benzene	11.50	91	214264	20.776	ug/l	98
68) m/p-Xylenes	11.62	106	163725	42.028	ug/l	93
69) o-Xylene	11.94	106	79920	20.955	ug/l	94
70) Styrene	11.96	104	128390	20.118	ug/l	97
71) Bromoform	12.12	173	36798	20.928	ug/l #	97
73) Isopropylbenzene	12.25	105	212034	20.934	ug/l	99
74) N-amyl acetate	12.07	43	73237	18.634	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	59506	20.265	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	56754m	24.418	ug/l	
77) Bromobenzene	12.52	156	54694	21.323	ug/l	80
78) n-propylbenzene	12.59	91	236146	20.772	ug/l	97
79) 2-Chlorotoluene	12.67	91	139774	20.667	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	179621	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21549	19.910	ug/l	93
82) 4-Chlorotoluene	12.77	91	143505	21.155	ug/l	96
83) tert-Butylbenzene	12.99	119	157051	21.317	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	180727	21.445	ug/l	98
85) sec-Butylbenzene	13.17	105	201958	20.864	ug/l	98
86) p-Isopropyltoluene	13.29	119	190151	21.231	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	93843	21.062	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	94765	21.320	ug/l	98
89) n-Butylbenzene	13.61	91	156659	20.514	ug/l	98
90) Hexachloroethane	13.87	117	34916	20.836	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	94072	21.357	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12808	19.028	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56477	21.338	ug/l	98
94) Hexachlorobutadiene	15.01	225	31471	21.577	ug/l	98
95) Naphthalene	15.13	128	149291	19.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56313	21.858	ug/l	99

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

