

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057746.D
 Acq On : 7 Sep 2019 12:32
 Operator : JC/SP
 Sample : VN0907WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:03:12 PM

Quant Time: Sep 08 07:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	212584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	304668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240269	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.57	113	158479	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.08	98	581566	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	220957	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62538	18.525	ug/l	97
3) Chloromethane	2.03	50	59398	12.217	ug/l	97
4) Vinyl Chloride	2.16	62	54080	18.498	ug/l	95
5) Bromomethane	2.54	94	29731	22.142	ug/l	91
6) Chloroethane	2.68	64	30895	17.900	ug/l	90
7) Trichlorofluoromethane	3.00	101	79398	16.922	ug/l	98
8) Diethyl Ether	3.39	74	34269	18.279	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56477	19.287	ug/l	94
10) Methyl Iodide	3.93	142	65837	22.692	ug/l	96
11) Tert butyl alcohol	4.76	59	48752	82.971	ug/l	99
12) 1,1-Dichloroethene	3.71	96	48188	18.290	ug/l	97
13) Acrolein	3.59	56	22336	79.932	ug/l	96
14) Allyl chloride	4.30	41	105319	17.493	ug/l	98
15) Acrylonitrile	4.96	53	147576	97.691	ug/l	97
16) Acetone	3.80	43	146856	92.277	ug/l	98
17) Carbon Disulfide	4.03	76	99081	16.599	ug/l	99
18) Methyl Acetate	4.30	43	77906	18.001	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	198846	17.978	ug/l	99
20) Methylene Chloride	4.52	84	60976	17.720	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	52666	18.997	ug/l	89
22) Diisopropyl ether	5.93	45	234673	18.426	ug/l	94
23) Vinyl Acetate	5.87	43	950001	92.157	ug/l	99
24) 1,1-Dichloroethane	5.82	63	120975	18.525	ug/l #	97
25) 2-Butanone	6.82	43	216354	94.929	ug/l	99
26) 2,2-Dichloropropane	6.81	77	97361	17.871	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	65944	18.951	ug/l	95
28) Bromochloromethane	7.18	49	63226	18.504	ug/l	97
29) Tetrahydrofuran	7.19	42	138216	94.038	ug/l	99
30) Chloroform	7.36	83	128950	18.950	ug/l	99
31) Cyclohexane	7.64	56	102946	17.735	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	104502	18.437	ug/l	99
36) 1,1-Dichloropropene	7.78	75	83980	19.023	ug/l	98
37) Ethyl Acetate	6.91	43	89268	20.368	ug/l	97
38) Carbon Tetrachloride	7.76	117	85274	20.173	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	89668	19.202	ug/l	97
40) Benzene	8.03	78	250037	20.024	ug/l	99
41) Methacrylonitrile	7.17	41	48347m	22.566	ug/l	
42) 1,2-Dichloroethane	8.11	62	113616	19.411	ug/l	99
43) Isopropyl Acetate	8.15	43	157395	18.709	ug/l #	95
44) Trichloroethene	8.82	130	59138	21.072	ug/l	96
45) 1,2-Dichloropropane	9.11	63	71270	20.407	ug/l	99
46) Dibromomethane	9.20	93	45227	20.189	ug/l	96
47) Bromodichloromethane	9.40	83	92767	19.485	ug/l #	98
48) Methyl methacrylate	9.19	41	77720	17.963	ug/l	97
49) 1,4-Dioxane	9.19	88	19254	382.474	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	473877	101.429	ug/l	99
52) Toluene	10.15	92	152354	20.130	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87008	18.216	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	98280	19.045	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	61863	20.311	ug/l	97
56) Ethyl methacrylate	10.43	69	96058	19.759	ug/l	97
57) 1,3-Dichloropropane	10.70	76	108372	19.808	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	242522	98.331	ug/l	99
59) 2-Hexanone	10.75	43	334933	101.664	ug/l	98
60) Dibromochloromethane	10.90	129	59950	19.431	ug/l	99
61) 1,2-Dibromoethane	11.00	107	62059	21.224	ug/l	100
64) Tetrachloroethene	10.63	164	50067	21.078	ug/l	92
65) Chlorobenzene	11.43	112	165087	20.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59881	21.654	ug/l	95
67) Ethyl Benzene	11.51	91	308404	20.112	ug/l	99
68) m/p-Xylenes	11.62	106	215902	40.879	ug/l	98
69) o-Xylene	11.95	106	103587	19.808	ug/l	96
70) Styrene	11.96	104	183509	20.280	ug/l	97
71) Bromoform	12.13	173	35433	19.277	ug/l #	99
73) Isopropylbenzene	12.25	105	301655	19.452	ug/l	99
74) N-amyl acetate	12.07	43	137883	17.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	91803	19.742	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	74771m	18.562	ug/l	
77) Bromobenzene	12.53	156	71723	21.289	ug/l	86
78) n-propylbenzene	12.59	91	350769	19.038	ug/l	97
79) 2-Chlorotoluene	12.68	91	208858	18.621	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	256227	19.450	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20074	15.499	ug/l	93
82) 4-Chlorotoluene	12.78	91	217723	18.847	ug/l	98
83) tert-Butylbenzene	13.00	119	220396	19.845	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	251813	19.297	ug/l	100
85) sec-Butylbenzene	13.17	105	291044	19.022	ug/l	98
86) p-Isopropyltoluene	13.29	119	254987	19.665	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	125461	19.920	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	126638	20.099	ug/l	100
89) n-Butylbenzene	13.62	91	238958	18.634	ug/l	100
90) Hexachloroethane	13.88	117	38706	19.051	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	126963	20.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17612	19.224	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75356	20.313	ug/l	98
94) Hexachlorobutadiene	15.01	225	40095	22.174	ug/l	98
95) Naphthalene	15.13	128	208787	19.400	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	73057	20.545	ug/l	99

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

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