

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058821.D
 Acq On : 17 Oct 2019 12:56
 Operator : JC/SP
 Sample : VN1017WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:26:17 PM

Quant Time: Oct 18 02:19:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	370487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	273959	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.57	113	196721	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.09	98	738893	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	271824	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97155	21.056	ug/l	100
3) Chloromethane	2.04	50	109039	19.873	ug/l	98
4) Vinyl Chloride	2.17	62	114187	20.895	ug/l	99
5) Bromomethane	2.55	94	72195	21.717	ug/l	96
6) Chloroethane	2.69	64	72953	21.643	ug/l	97
7) Trichlorofluoromethane	3.00	101	142869	21.845	ug/l	100
8) Diethyl Ether	3.39	74	52808	21.853	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81488	21.852	ug/l	97
10) Methyl Iodide	3.93	142	99421	19.537	ug/l	99
11) Tert butyl alcohol	4.76	59	93242	111.002	ug/l	100
12) 1,1-Dichloroethene	3.72	96	73737	20.724	ug/l	99
13) Acrolein	3.58	56	45043	66.674	ug/l	99
14) Allyl chloride	4.30	41	152535	21.244	ug/l	100
15) Acrylonitrile	4.96	53	240788	113.667	ug/l	99
16) Acetone	3.79	43	252823	117.741	ug/l	100
17) Carbon Disulfide	4.03	76	218323	19.196	ug/l	99
18) Methyl Acetate	4.30	43	127938	23.489	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	273656	21.539	ug/l	94
20) Methylene Chloride	4.53	84	90733	20.218	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	81563	20.494	ug/l	99
22) Diisopropyl ether	5.93	45	307439	22.022	ug/l	96
23) Vinyl Acetate	5.87	43	1295183	114.974	ug/l	100
24) 1,1-Dichloroethane	5.82	63	171176	21.528	ug/l	100
25) 2-Butanone	6.82	43	347746	112.043	ug/l	99
26) 2,2-Dichloropropane	6.81	77	147122	20.270	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94555	20.374	ug/l	98
28) Bromochloromethane	7.17	49	57760	20.881	ug/l	98
29) Tetrahydrofuran	7.19	42	223155	111.261	ug/l	99
30) Chloroform	7.36	83	167976	21.027	ug/l	96
31) Cyclohexane	7.64	56	152504	20.046	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	147283	21.618	ug/l	99
36) 1,1-Dichloropropene	7.78	75	123458	20.327	ug/l	99
37) Ethyl Acetate	6.91	43	139848	22.768	ug/l	98
38) Carbon Tetrachloride	7.76	117	127507	21.541	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139113	19.739	ug/l	97
40) Benzene	8.03	78	370334	21.231	ug/l	100
41) Methacrylonitrile	7.15	41	59141	20.569	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	144879	21.619	ug/l	100
43) Isopropyl Acetate	8.15	43	226941	21.688	ug/l	98
44) Trichloroethene	8.82	130	89700	20.708	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102650	21.983	ug/l	98
46) Dibromomethane	9.20	93	63448	21.431	ug/l	100
47) Bromodichloromethane	9.39	83	132001	21.896	ug/l	99
48) Methyl methacrylate	9.19	41	102073	21.520	ug/l	100
49) 1,4-Dioxane	9.19	88	32396	441.493	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	706010	120.140	ug/l	98
52) Toluene	10.15	92	222646	20.869	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	145814	21.088	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	158125	21.539	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	90783	20.791	ug/l	98
56) Ethyl methacrylate	10.43	69	133932	20.995	ug/l	98
57) 1,3-Dichloropropane	10.71	76	159289	21.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	315584	102.653	ug/l	100
59) 2-Hexanone	10.75	43	520923	114.705	ug/l	98
60) Dibromochloromethane	10.90	129	94787	21.043	ug/l	97
61) 1,2-Dibromoethane	11.00	107	92843	21.223	ug/l	99
64) Tetrachloroethene	10.63	164	80800	21.009	ug/l	96
65) Chlorobenzene	11.43	112	234153	20.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88376	21.415	ug/l	98
67) Ethyl Benzene	11.51	91	425298	21.378	ug/l	99
68) m/p-Xylenes	11.62	106	307742	41.221	ug/l	97
69) o-Xylene	11.95	106	149004	20.628	ug/l	99
70) Styrene	11.97	104	239648	20.242	ug/l	99
71) Bromoform	12.13	173	67083	22.177	ug/l #	99
73) Isopropylbenzene	12.25	105	408761	22.038	ug/l	98
74) N-amyl acetate	12.07	43	182936	21.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	140131	22.934	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	124903m	22.231	ug/l	
77) Bromobenzene	12.53	156	96526	21.396	ug/l	98
78) n-propylbenzene	12.60	91	471154	21.799	ug/l	100
79) 2-Chlorotoluene	12.68	91	282414	21.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	343204	21.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44987	21.448	ug/l	95
82) 4-Chlorotoluene	12.78	91	294921	21.424	ug/l	100
83) tert-Butylbenzene	13.00	119	291102	21.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	339848	21.619	ug/l	99
85) sec-Butylbenzene	13.18	105	392038	21.932	ug/l	100
86) p-Isopropyltoluene	13.29	119	347597	21.396	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	172282	20.707	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	172508	20.393	ug/l	99
89) n-Butylbenzene	13.62	91	303683	20.216	ug/l	99
90) Hexachloroethane	13.88	117	65177	22.422	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	171198	21.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30412	21.305	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	90930	18.382	ug/l	97
94) Hexachlorobutadiene	15.02	225	52910	20.311	ug/l	98
95) Naphthalene	15.13	128	266338	18.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	90886	18.819	ug/l	97

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

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