

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056142.D
 Acq On : 8 Jun 2019 10:22
 Operator : JC/SP
 Sample : VN0608WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:28 AM

Quant Time: Jun 10 02:18:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	273857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	423663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	372420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	146711	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	129916	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	495595	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	162550	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	61765	20.739	ug/l	98
3) Chloromethane	2.06	50	67965	22.894	ug/l	99
4) Vinyl Chloride	2.18	62	65582	22.024	ug/l	99
5) Bromomethane	2.54	94	39258	20.870	ug/l	100
6) Chloroethane	2.69	64	37216	21.555	ug/l	99
7) Trichlorofluoromethane	3.01	101	79314	20.864	ug/l	100
8) Diethyl Ether	3.40	74	32085	20.524	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47622	20.622	ug/l	99
10) Methyl Iodide	3.94	142	71883	19.588	ug/l	99
11) Tert butyl alcohol	4.82	59	45855	96.905	ug/l	98
12) 1,1-Dichloroethene	3.72	96	47874	20.824	ug/l	98
13) Acrolein	3.61	56	10127	74.205	ug/l	98
14) Allyl chloride	4.31	41	68451	18.856	ug/l	97
15) Acrylonitrile	4.99	53	137461	119.335	ug/l	100
16) Acetone	3.82	43	113596	87.348	ug/l	98
17) Carbon Disulfide	4.04	76	93026	16.900	ug/l	98
18) Methyl Acetate	4.32	43	65648	25.414	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	157603	21.507	ug/l	98
20) Methylene Chloride	4.55	84	58523	21.842	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	51378	20.858	ug/l	97
22) Diisopropyl ether	5.95	45	163417	21.777	ug/l	99
23) Vinyl Acetate	5.90	43	605273	102.422	ug/l	99
24) 1,1-Dichloroethane	5.84	63	93622	21.628	ug/l	98
25) 2-Butanone	6.84	43	177725	108.162	ug/l	100
26) 2,2-Dichloropropane	6.82	77	30390	8.997	ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	62233	21.493	ug/l	92
28) Bromochloromethane	7.19	49	45982	22.463	ug/l	99
29) Tetrahydrofuran	7.22	42	119991	118.138	ug/l	100
30) Chloroform	7.37	83	94658	21.738	ug/l	98
31) Cyclohexane	7.65	56	86030	19.939	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	73443	20.197	ug/l	99
36) 1,1-Dichloropropene	7.79	75	67252	18.461	ug/l	99
37) Ethyl Acetate	6.93	43	70490	21.747	ug/l	99
38) Carbon Tetrachloride	7.77	117	62127	18.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	78692	17.341	ug/l	99
40) Benzene	8.04	78	226347	20.457	ug/l	99
41) Methacrylonitrile	7.18	41	33026	22.146	ug/l	96
42) 1,2-Dichloroethane	8.12	62	73052	20.526	ug/l	99
43) Isopropyl Acetate	8.17	43	104315	19.860	ug/l	97
44) Trichloroethene	8.83	130	64194	20.191	ug/l	97
45) 1,2-Dichloropropane	9.12	63	58879	20.776	ug/l	99
46) Dibromomethane	9.21	93	37532	20.252	ug/l	96
47) Bromodichloromethane	9.40	83	63874	19.017	ug/l	100
48) Methyl methacrylate	9.20	41	53742	20.914	ug/l	97
49) 1,4-Dioxane	9.20	88	23283	419.699	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	346777	105.576	ug/l	98
52) Toluene	10.16	92	138497	20.116	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	55224	15.749	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	70245	17.399	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	56080	20.563	ug/l	98
56) Ethyl methacrylate	10.43	69	80358	20.197	ug/l	99
57) 1,3-Dichloropropane	10.71	76	91682	20.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	138890	97.680	ug/l	99
59) 2-Hexanone	10.75	43	248206	104.261	ug/l	99
60) Dibromochloromethane	10.90	129	48843	17.894	ug/l	100
61) 1,2-Dibromoethane	11.00	107	57369	20.577	ug/l	97
64) Tetrachloroethene	10.63	164	70730	21.941	ug/l	98
65) Chlorobenzene	11.43	112	147977	19.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	50350	19.674	ug/l	99
67) Ethyl Benzene	11.51	91	253178	19.644	ug/l	99
68) m/p-Xylenes	11.62	106	194570	39.519	ug/l	99
69) o-Xylene	11.95	106	98798	20.400	ug/l	96
70) Styrene	11.96	104	155737	20.239	ug/l	99
71) Bromoform	12.13	173	32930	17.228	ug/l #	100
73) Isopropylbenzene	12.25	105	252458	22.174	ug/l	99
74) N-amyl acetate	12.07	43	85280	21.246	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	76836	21.980	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	66073m	23.846	ug/l	
77) Bromobenzene	12.53	156	70168	21.765	ug/l	91
78) n-propylbenzene	12.59	91	255743	20.075	ug/l	99
79) 2-Chlorotoluene	12.67	91	164008	21.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	203410	20.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	11672	14.028	ug/l #	76
82) 4-Chlorotoluene	12.77	91	151011	20.262	ug/l	99
83) tert-Butylbenzene	12.99	119	185539	22.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	197965	20.619	ug/l	99
85) sec-Butylbenzene	13.17	105	227289	20.147	ug/l	99
86) p-Isopropyltoluene	13.29	119	198955	19.705	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	101034	20.248	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	95588	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	131257	17.549	ug/l	99
90) Hexachloroethane	13.87	117	27642	18.153	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	105407	20.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9397	18.794	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37529	16.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	36811	20.056	ug/l	99
95) Naphthalene	15.13	128	107545	17.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44765	17.895	ug/l	99

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

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