

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057718.D
 Acq On : 6 Sep 2019 17:31
 Operator : JC/SP
 Sample : VN0906WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:11:07 PM

Quant Time: Sep 06 23:44:26 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	194260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	294471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	163106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	231897	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.58	113	145706	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.08	98	551043	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	214140	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	57254	18.559	ug/l	99
3) Chloromethane	2.03	50	60664	14.160	ug/l	96
4) Vinyl Chloride	2.16	62	49803	18.642	ug/l	99
5) Bromomethane	2.54	94	26298	21.433	ug/l	99
6) Chloroethane	2.68	64	28567	18.112	ug/l #	88
7) Trichlorofluoromethane	3.00	101	73946	17.247	ug/l	100
8) Diethyl Ether	3.39	74	33733	19.690	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	49848	18.629	ug/l	99
10) Methyl Iodide	3.93	142	56003	21.124	ug/l	98
11) Tert butyl alcohol	4.76	59	50874	94.749	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	45500	18.899	ug/l	99
13) Acrolein	3.59	56	23947	93.781	ug/l	95
14) Allyl chloride	4.30	41	102580	18.645	ug/l	99
15) Acrylonitrile	4.96	53	137033	99.268	ug/l	100
16) Acetone	3.80	43	137112	94.281	ug/l	97
17) Carbon Disulfide	4.03	76	99506	18.242	ug/l	100
18) Methyl Acetate	4.31	43	75198	19.014	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	192203	19.016	ug/l	98
20) Methylene Chloride	4.53	84	59835	19.028	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	48923	19.312	ug/l	88
22) Diisopropyl ether	5.93	45	219668	18.875	ug/l	99
23) Vinyl Acetate	5.88	43	925744	98.274	ug/l	100
24) 1,1-Dichloroethane	5.83	63	113509	19.022	ug/l	98
25) 2-Butanone	6.82	43	204965	98.415	ug/l	99
26) 2,2-Dichloropropane	6.81	77	92521	18.585	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	62377	19.616	ug/l	97
28) Bromochloromethane	7.17	49	57029	18.265	ug/l	96
29) Tetrahydrofuran	7.20	42	130472	97.143	ug/l	98
30) Chloroform	7.36	83	118304	19.026	ug/l	97
31) Cyclohexane	7.64	56	92975	17.529	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	96666	18.664	ug/l	99
36) 1,1-Dichloropropene	7.78	75	78522	18.361	ug/l	98
37) Ethyl Acetate	6.91	43	86281	20.322	ug/l	99
38) Carbon Tetrachloride	7.76	117	77256	18.866	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	85179	18.830	ug/l	98
40) Benzene	8.03	78	230820	19.082	ug/l	96
41) Methacrylonitrile	7.16	41	41620	20.054	ug/l	97
42) 1,2-Dichloroethane	8.11	62	105154	18.546	ug/l	99
43) Isopropyl Acetate	8.15	43	152187	18.675	ug/l	96
44) Trichloroethene	8.83	130	52830	19.432	ug/l	95
45) 1,2-Dichloropropane	9.11	63	66898	19.774	ug/l	94
46) Dibromomethane	9.20	93	43093	19.858	ug/l	97
47) Bromodichloromethane	9.40	83	86845	18.830	ug/l	99
48) Methyl methacrylate	9.19	41	75973	18.127	ug/l	98
49) 1,4-Dioxane	9.19	88	19832	406.682	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	454677	100.463	ug/l	100
52) Toluene	10.15	92	141525	19.304	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85792	18.542	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	94690	18.942	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	58049	19.675	ug/l	93
56) Ethyl methacrylate	10.43	69	89885	19.087	ug/l	98
57) 1,3-Dichloropropane	10.70	76	103103	19.454	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	243212	101.796	ug/l	99
59) 2-Hexanone	10.75	43	324194	101.583	ug/l	99
60) Dibromochloromethane	10.90	129	53803	18.138	ug/l	98
61) 1,2-Dibromoethane	11.00	107	56445	19.928	ug/l	99
64) Tetrachloroethene	10.63	164	43757	19.060	ug/l	96
65) Chlorobenzene	11.43	112	148484	19.330	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54561	20.413	ug/l	97
67) Ethyl Benzene	11.51	91	288852	19.490	ug/l	99
68) m/p-Xylenes	11.62	106	201513	39.476	ug/l	99
69) o-Xylene	11.95	106	101187	20.019	ug/l	98
70) Styrene	11.96	104	168876	19.309	ug/l	100
71) Bromoform	12.13	173	32289	18.360	ug/l #	95
73) Isopropylbenzene	12.25	105	279959	19.414	ug/l	99
74) N-amyl acetate	12.07	43	135401	18.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	85630	19.803	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72913m	19.467	ug/l	
77) Bromobenzene	12.53	156	63803	20.366	ug/l	94
78) n-propylbenzene	12.59	91	331096	19.326	ug/l	99
79) 2-Chlorotoluene	12.68	91	203772	19.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	238727	19.489	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19101	15.860	ug/l	88
82) 4-Chlorotoluene	12.78	91	204711	19.058	ug/l	99
83) tert-Butylbenzene	13.00	119	196003	18.980	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	237015	19.533	ug/l	99
85) sec-Butylbenzene	13.17	105	271995	19.119	ug/l	100
86) p-Isopropyltoluene	13.29	119	239516	19.865	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	112759	19.254	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	112346	19.176	ug/l	97
89) n-Butylbenzene	13.62	91	226714	19.013	ug/l	99
90) Hexachloroethane	13.88	117	34711	18.373	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	113266	19.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15757	18.497	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69641	20.189	ug/l	97
94) Hexachlorobutadiene	15.01	225	33453	19.897	ug/l	98
95) Naphthalene	15.13	128	196037	19.589	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	67555	20.431	ug/l	98

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

