

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056454.D
 Acq On : 24 Jun 2019 14:36
 Operator : JC/SP
 Sample : VN0624WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:23 AM

Quant Time: Jun 25 01:55:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	365889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	211449	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	183066	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.09	98	678773	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	217198	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60140	19.412	ug/l	96
3) Chloromethane	2.06	50	78304	18.562	ug/l	98
4) Vinyl Chloride	2.18	62	80241	19.694	ug/l	100
5) Bromomethane	2.54	94	51263	21.462	ug/l	97
6) Chloroethane	2.69	64	48174	20.417	ug/l	96
7) Trichlorofluoromethane	3.01	101	105683	20.052	ug/l	99
8) Diethyl Ether	3.41	74	45564	20.427	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66751	19.860	ug/l	99
10) Methyl Iodide	3.95	142	88922	19.575	ug/l	99
11) Tert butyl alcohol	4.79	59	78533	114.983	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	64838	20.060	ug/l	99
13) Acrolein	3.61	56	54845	95.276	ug/l	99
14) Allyl chloride	4.32	41	106599	19.812	ug/l	98
15) Acrylonitrile	4.99	53	194604	102.992	ug/l	99
16) Acetone	3.82	43	178281	87.750	ug/l	99
17) Carbon Disulfide	4.05	76	128106	17.426	ug/l	99
18) Methyl Acetate	4.33	43	91692	22.566	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	221123	20.675	ug/l	99
20) Methylene Chloride	4.55	84	79400	20.200	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	69504	19.945	ug/l	94
22) Diisopropyl ether	5.95	45	233597	20.673	ug/l	99
23) Vinyl Acetate	5.90	43	951136	106.721	ug/l	99
24) 1,1-Dichloroethane	5.85	63	135428	20.879	ug/l	100
25) 2-Butanone	6.84	43	264203	98.254	ug/l	96
26) 2,2-Dichloropropane	6.82	77	82016	18.180	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	83622	20.510	ug/l	98
28) Bromochloromethane	7.20	49	67723	21.109	ug/l	97
29) Tetrahydrofuran	7.21	42	177467	107.998	ug/l	99
30) Chloroform	7.37	83	133504	20.858	ug/l	100
31) Cyclohexane	7.65	56	122439	19.553	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	102853	20.273	ug/l	98
36) 1,1-Dichloropropene	7.79	75	94465	18.703	ug/l	98
37) Ethyl Acetate	6.93	43	103389	20.829	ug/l	98
38) Carbon Tetrachloride	7.77	117	86878	19.669	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	112633	18.072	ug/l	97
40) Benzene	8.04	78	307563	19.796	ug/l	98
41) Methacrylonitrile	7.17	41	40821	18.624	ug/l #	92
42) 1,2-Dichloroethane	8.12	62	102788	20.047	ug/l	100
43) Isopropyl Acetate	8.17	43	164675	21.515	ug/l	99
44) Trichloroethene	8.84	130	82214	19.644	ug/l	98
45) 1,2-Dichloropropane	9.12	63	83527	20.103	ug/l	96
46) Dibromomethane	9.21	93	53083	20.420	ug/l	100
47) Bromodichloromethane	9.40	83	95028	20.611	ug/l	100
48) Methyl methacrylate	9.20	41	75477	19.678	ug/l	99
49) 1,4-Dioxane	9.20	88	31030	389.843	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	501116	101.437	ug/l	100
52) Toluene	10.16	92	187781	19.769	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	92236	19.075	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	111148	20.019	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	78641	20.597	ug/l	98
56) Ethyl methacrylate	10.43	69	112711	20.200	ug/l	99
57) 1,3-Dichloropropane	10.71	76	129984	20.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	164665	82.145	ug/l	100
59) 2-Hexanone	10.75	43	350828	96.624	ug/l	100
60) Dibromochloromethane	10.90	129	71505	19.734	ug/l	99
61) 1,2-Dibromoethane	11.00	107	78455	20.119	ug/l	98
64) Tetrachloroethene	10.63	164	81888	21.000	ug/l	97
65) Chlorobenzene	11.43	112	197911	20.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	70487	21.079	ug/l	97
67) Ethyl Benzene	11.51	91	342071	19.690	ug/l	99
68) m/p-Xylenes	11.62	106	251229	39.460	ug/l	99
69) o-Xylene	11.95	106	126068	20.015	ug/l	98
70) Styrene	11.96	104	199227	19.788	ug/l	100
71) Bromoform	12.13	173	46999	19.470	ug/l #	98
73) Isopropylbenzene	12.25	105	333419	23.564	ug/l	100
74) N-amyl acetate	12.07	43	119327	21.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105720	23.990	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	89837m	24.385	ug/l	
77) Bromobenzene	12.53	156	84697	21.319	ug/l	100
78) n-propylbenzene	12.59	91	337555	20.746	ug/l	100
79) 2-Chlorotoluene	12.67	91	214720	22.685	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	264499	22.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22399	21.609	ug/l	99
82) 4-Chlorotoluene	12.77	91	192996	20.089	ug/l	99
83) tert-Butylbenzene	12.99	119	242331	23.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	249894	20.893	ug/l	99
85) sec-Butylbenzene	13.17	105	300538	21.015	ug/l	99
86) p-Isopropyltoluene	13.29	119	249358	20.317	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	121563	20.191	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112506	19.295	ug/l	100
89) n-Butylbenzene	13.61	91	164722	17.729	ug/l	99
90) Hexachloroethane	13.87	117	41179	21.521	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	123417	20.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13682	20.812	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38147	16.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	44922	21.106	ug/l	100
95) Naphthalene	15.13	128	109084	17.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46363	17.577	ug/l	97

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

