

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055040.D
 Acq On : 15 Apr 2019 12:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041519

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 1:49:17 PM

Quant Time: Apr 15 13:43:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:24:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	447083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	695192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	613406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	268983	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
35) Dibromofluoromethane	7.59	113	221958	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.09	98	813248	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	273946	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245259	48.271	ug/l	99
3) Chloromethane	2.06	50	305535	46.105	ug/l	97
4) Vinyl Chloride	2.19	62	255725	45.910	ug/l	98
5) Bromomethane	2.55	94	147281	46.739	ug/l	98
6) Chloroethane	2.70	64	136733	45.520	ug/l	100
7) Trichlorofluoromethane	3.02	101	318797	45.764	ug/l	98
8) Diethyl Ether	3.41	74	101365	45.585	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	165185	45.311	ug/l	98
10) Methyl Iodide	3.94	142	299073	52.865	ug/l	95
11) Tert butyl alcohol	4.82	59	80989	248.625	ug/l	99
12) 1,1-Dichloroethene	3.73	96	158072	44.546	ug/l	98
13) Acrolein	3.61	56	89173	221.469	ug/l	98
14) Allyl chloride	4.31	41	422911	48.689	ug/l	100
15) Acrylonitrile	4.99	53	483541	248.103	ug/l	99
16) Acetone	3.82	43	400299	248.171	ug/l	99
17) Carbon Disulfide	4.04	76	552385	48.223	ug/l	99
18) Methyl Acetate	4.33	43	230005	49.471	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	619524	48.805	ug/l	99
20) Methylene Chloride	4.54	84	245925	43.371	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	224194	46.713	ug/l	95
22) Diisopropyl ether	5.96	45	866693	48.538	ug/l	98
23) Vinyl Acetate	5.90	43	3132189	265.384	ug/l	99
24) 1,1-Dichloroethane	5.84	63	447223	47.033	ug/l	99
25) 2-Butanone	6.85	43	629605	261.532	ug/l	99
26) 2,2-Dichloropropane	6.82	77	313387	52.218	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	259177	47.733	ug/l	100
28) Bromochloromethane	7.19	49	220594	48.126	ug/l #	99
29) Tetrahydrofuran	7.22	42	388026	245.791	ug/l	98
30) Chloroform	7.37	83	427524	46.288	ug/l	100
31) Cyclohexane	7.65	56	416389	49.519	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	349703	47.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	323872	49.420	ug/l	99
37) Ethyl Acetate	6.94	43	260069	48.745	ug/l	99
38) Carbon Tetrachloride	7.77	117	296186	47.503	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	351401	49.482	ug/l	97
40) Benzene	8.04	78	978793	49.556	ug/l	100
41) Methacrylonitrile	7.18	41	150156	50.701	ug/l	97
42) 1,2-Dichloroethane	8.12	62	332906	48.546	ug/l	100
43) Isopropyl Acetate	8.17	43	435189	52.936	ug/l	99
44) Trichloroethene	8.83	130	245908	49.706	ug/l	97
45) 1,2-Dichloropropane	9.12	63	272513	49.473	ug/l	98
46) Dibromomethane	9.21	93	153881	49.080	ug/l	97
47) Bromodichloromethane	9.40	83	320669	49.608	ug/l	100
48) Methyl methacrylate	9.20	41	220499	54.113	ug/l	99
49) 1,4-Dioxane	9.20	88	36866	965.690	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1262642	265.850	ug/l	98
52) Toluene	10.16	92	575620	50.884	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	314908	55.745	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	383929	54.759	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	216676	49.714	ug/l	99
56) Ethyl methacrylate	10.43	69	286773	54.826	ug/l	99
57) 1,3-Dichloropropane	10.71	76	379053	51.081	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	546138	238.246	ug/l	99
59) 2-Hexanone	10.75	43	809171	271.251	ug/l	100
60) Dibromochloromethane	10.90	129	226725	53.273	ug/l	99
61) 1,2-Dibromoethane	11.00	107	208858	52.064	ug/l	98
64) Tetrachloroethene	10.63	164	224941	45.096	ug/l	98
65) Chlorobenzene	11.43	112	596978	48.349	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	227855	50.174	ug/l	99
67) Ethyl Benzene	11.51	91	1085315	49.220	ug/l	100
68) m/p-Xylenes	11.62	106	808493	101.256	ug/l	99
69) o-Xylene	11.95	106	393699	50.908	ug/l	99
70) Styrene	11.96	104	652733	52.142	ug/l	99
71) Bromoform	12.13	173	141644	54.416	ug/l #	99
73) Isopropylbenzene	12.25	105	1031387	45.152	ug/l	99
74) N-amyl acetate	12.07	43	346945	53.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	271091	44.352	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202281m	43.698	ug/l	
77) Bromobenzene	12.53	156	252550	44.347	ug/l	99
78) n-propylbenzene	12.59	91	1160254	47.012	ug/l	99
79) 2-Chlorotoluene	12.67	91	705789	45.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	849397	46.078	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60885	52.596	ug/l	96
82) 4-Chlorotoluene	12.77	91	694133	48.331	ug/l	99
83) tert-Butylbenzene	12.99	119	713058	45.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	845541	48.400	ug/l	100
85) sec-Butylbenzene	13.17	105	924414	46.600	ug/l	100
86) p-Isopropyltoluene	13.29	119	817481	48.034	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	427586	49.398	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	409597	49.622	ug/l	100
89) n-Butylbenzene	13.61	91	669951	53.027	ug/l	99
90) Hexachloroethane	13.87	117	129261	46.678	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	417100	47.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38674	51.382	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	197710	50.076	ug/l	98
94) Hexachlorobutadiene	15.01	225	129451	48.124	ug/l	99
95) Naphthalene	15.13	128	457485	49.563	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	201125	59.863	ug/l	99

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

