

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051906.D
 Acq On : 17 Oct 2018 14:36
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:42 PM

Quant Time: Oct 19 05:18:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	885974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1286391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1154097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577745	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	361281	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
35) Dibromofluoromethane	7.59	113	377600	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
50) Toluene-d8	10.09	98	1352630	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
62) 4-Bromofluorobenzene	12.40	95	455402	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	230023	42.91	ug/l	99
3) Chloromethane	2.06	50	237165	45.28	ug/l	99
4) Vinyl Chloride	2.18	62	349835	44.22	ug/l	100
5) Bromomethane	2.57	94	326759	50.12	ug/l	97
6) Chloroethane	2.70	64	268139	46.70	ug/l	99
7) Trichlorofluoromethane	3.02	101	606058	49.71	ug/l	99
8) Diethyl Ether	3.41	74	168722	47.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361011	51.61	ug/l	99
10) Methyl Iodide	3.95	142	435589	47.47	ug/l	100
11) Tert butyl alcohol	4.78	59	87619	182.56	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	317328	49.77	ug/l	99
13) Acrolein	3.61	56	69354	202.75	ug/l	99
14) Allyl chloride	4.32	41	358043	51.85	ug/l	97
15) Acrylonitrile	4.99	53	402867	229.89	ug/l	100
16) Acetone	3.82	43	315765	217.11	ug/l	99
17) Carbon Disulfide	4.05	76	767174	48.26	ug/l	100
18) Methyl Acetate	4.32	43	193799	44.53	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	861272	46.87	ug/l	99
20) Methylene Chloride	4.55	84	350572	47.42	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	360686	49.22	ug/l	97
22) Diisopropyl ether	5.95	45	813394	50.54	ug/l	95
23) Vinyl Acetate	5.89	43	2689389	242.71	ug/l	100
24) 1,1-Dichloroethane	5.85	63	581177	49.86	ug/l	100
25) 2-Butanone	6.83	43	456777	219.75	ug/l	97
26) 2,2-Dichloropropane	6.82	77	588405	53.38	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	431716	50.70	ug/l	99
28) Bromochloromethane	7.19	49	214780	45.38	ug/l	98
29) Tetrahydrofuran	7.21	42	266862	210.20	ug/l	99
30) Chloroform	7.37	83	705768	50.62	ug/l	97
31) Cyclohexane	7.65	56	491166	52.31	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	670109	51.53	ug/l	100
36) 1,1-Dichloropropene	7.79	75	502494	50.33	ug/l	99
37) Ethyl Acetate	6.93	43	204466	44.31	ug/l	98
38) Carbon Tetrachloride	7.77	117	597654	50.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	652574	52.78	ug/l	100
40) Benzene	8.04	78	1483020	50.85	ug/l	99
41) Methacrylonitrile	7.18	41	105378m	46.47	ug/l	
42) 1,2-Dichloroethane	8.12	62	468414	50.13	ug/l	99
43) Isopropyl Acetate	8.16	43	402562	44.26	ug/l #	89
44) Trichloroethene	8.83	130	469864	51.33	ug/l	99
45) 1,2-Dichloropropane	9.12	63	348254	51.64	ug/l	97
46) Dibromomethane	9.21	93	255618	49.72	ug/l	98
47) Bromodichloromethane	9.40	83	542796	52.68	ug/l	99
48) Methyl methacrylate	9.20	41	186599	46.30	ug/l	98
49) 1,4-Dioxane	9.19	88	63439	828.68	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1028716	221.33	ug/l	100
52) Toluene	10.15	92	1013396	51.94	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	495570	50.75	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	575522	52.86	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	354672	49.61	ug/l	100
56) Ethyl methacrylate	10.43	69	383080	47.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	541654	49.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	782582	213.11	ug/l	99
59) 2-Hexanone	10.75	43	685228	219.87	ug/l	100
60) Dibromochloromethane	10.90	129	433125	45.40	ug/l	100
61) 1,2-Dibromoethane	11.00	107	363313	48.45	ug/l	100
64) Tetrachloroethene	10.63	164	475751	51.36	ug/l	97
65) Chlorobenzene	11.43	112	1173871	50.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	450680	52.47	ug/l	99
67) Ethyl Benzene	11.51	91	1984885	52.51	ug/l	100
68) m/p-Xylenes	11.62	106	1606160	105.82	ug/l	99
69) o-Xylene	11.95	106	775396	52.42	ug/l	98
70) Styrene	11.96	104	1224044	53.80	ug/l	100
71) Bromoform	12.13	173	271421	42.52	ug/l #	100
73) Isopropylbenzene	12.25	105	2126818	47.55	ug/l	100
74) N-amyl acetate	12.07	43	329874	42.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	382627	42.33	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	297040m	42.30	ug/l	
77) Bromobenzene	12.53	156	533156	46.85	ug/l	99
78) n-propylbenzene	12.59	91	2327598	49.99	ug/l	99
79) 2-Chlorotoluene	12.67	91	1330832	54.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1772296	49.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90621	42.54	ug/l	98
82) 4-Chlorotoluene	12.77	91	1333452	49.01	ug/l	100
83) tert-Butylbenzene	12.99	119	1612216	47.46	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1771182	49.83	ug/l	99
85) sec-Butylbenzene	13.17	105	2170799	50.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	1955172	52.23	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	963624	50.24	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	920086	48.81	ug/l	99
89) n-Butylbenzene	13.61	91	1517751	55.90	ug/l	100
90) Hexachloroethane	13.87	117	319071	50.96	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	913067	49.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52120	43.04	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	404804	43.78	ug/l	99
94) Hexachlorobutadiene	15.01	225	296295	50.37	ug/l	99
95) Naphthalene	15.13	128	703005	38.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	384396	43.11	ug/l	99

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

