

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052957.D
 Acq On : 18 Dec 2018 13:16
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121818

Manual Integrations
 APPROVED

Quant Time: Dec 18 14:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1068040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1589984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1443081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	689738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	545909	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.59	113	399657	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.09	98	2028987	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	712287	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	528942	48.934	ug/l	100
3) Chloromethane	2.06	50	642758	49.070	ug/l	99
4) Vinyl Chloride	2.19	62	634290	47.813	ug/l	100
5) Bromomethane	2.57	94	420260	45.725	ug/l	100
6) Chloroethane	2.71	64	375651	47.812	ug/l	99
7) Trichlorofluoromethane	3.02	101	808672	48.933	ug/l	99
8) Diethyl Ether	3.41	74	304230	48.798	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	522663	49.603	ug/l	99
10) Methyl Iodide	3.96	142	738671	49.920	ug/l	99
11) Tert butyl alcohol	4.77	59	163455	247.162	ug/l	98
12) 1,1-Dichloroethene	3.74	96	489459	48.081	ug/l	99
13) Acrolein	3.61	56	155962	260.087	ug/l	98
14) Allyl chloride	4.33	41	771539	48.930	ug/l	98
15) Acrylonitrile	4.98	53	891112	242.545	ug/l	100
16) Acetone	3.81	43	493583	232.263	ug/l	96
17) Carbon Disulfide	4.06	76	1528721	46.047	ug/l	99
18) Methyl Acetate	4.32	43	463549	48.098	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1351808	49.622	ug/l	98
20) Methylene Chloride	4.55	84	556524	48.009	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	522112	47.737	ug/l	99
22) Diisopropyl ether	5.95	45	1664376	49.450	ug/l	98
23) Vinyl Acetate	5.89	43	4895080	252.923	ug/l	98
24) 1,1-Dichloroethane	5.85	63	966465	48.323	ug/l	99
25) 2-Butanone	6.83	43	904657	253.658	ug/l	98
26) 2,2-Dichloropropane	6.82	77	763090	49.981	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	600877	48.527	ug/l	100
28) Bromochloromethane	7.19	49	423612	48.879	ug/l	96
29) Tetrahydrofuran	7.21	42	654174	245.591	ug/l	97
30) Chloroform	7.37	83	948177	48.260	ug/l	99
31) Cyclohexane	7.65	56	946011	50.442	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	808163	48.286	ug/l	99
36) 1,1-Dichloropropene	7.79	75	761667	49.909	ug/l	100
37) Ethyl Acetate	6.93	43	445108	52.246	ug/l	98
38) Carbon Tetrachloride	7.77	117	709790	50.742	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	958336	51.693	ug/l	98
40) Benzene	8.04	78	2252166	49.614	ug/l	99
41) Methacrylonitrile	7.17	41	229543m	46.632	ug/l	
42) 1,2-Dichloroethane	8.12	62	652520	48.659	ug/l	98
43) Isopropyl Acetate	8.16	43	840782	51.019	ug/l	99
44) Trichloroethene	8.84	130	641801	48.882	ug/l	98
45) 1,2-Dichloropropane	9.12	63	595950	50.403	ug/l	99
46) Dibromomethane	9.21	93	340706	49.465	ug/l	98
47) Bromodichloromethane	9.40	83	731862	49.986	ug/l	99
48) Methyl methacrylate	9.20	41	415336	50.240	ug/l	98
49) 1,4-Dioxane	9.20	88	93789	896.861	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2149316	260.509	ug/l	99
52) Toluene	10.16	92	1416921	50.359	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	782467	50.823	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	910539	51.524	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	493534	50.279	ug/l	98
56) Ethyl methacrylate	10.43	69	682164	52.505	ug/l	98
57) 1,3-Dichloropropane	10.71	76	849065	50.442	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1851643	259.599	ug/l	98
59) 2-Hexanone	10.75	43	1444391	258.753	ug/l	99
60) Dibromochloromethane	10.90	129	564257	50.219	ug/l	100
61) 1,2-Dibromoethane	11.01	107	501794	50.335	ug/l	100
64) Tetrachloroethene	10.63	164	741391	47.428	ug/l	100
65) Chlorobenzene	11.43	112	1570171	49.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	556388	50.017	ug/l	100
67) Ethyl Benzene	11.51	91	2738721	49.783	ug/l	100
68) m/p-Xylenes	11.62	106	2096129	100.229	ug/l	98
69) o-Xylene	11.95	106	1010106	50.334	ug/l	100
70) Styrene	11.96	104	1670676	51.055	ug/l	99
71) Bromoform	12.13	173	394394	49.077	ug/l	# 99
73) Isopropylbenzene	12.25	105	2704741	50.119	ug/l	100
74) N-amyl acetate	12.07	43	764548	51.028	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	527791	49.851	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	509156m	43.851	ug/l	
77) Bromobenzene	12.53	156	683392	48.716	ug/l	99
78) n-propylbenzene	12.59	91	3098293	50.410	ug/l	99
79) 2-Chlorotoluene	12.67	91	1808040	47.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2188223	49.747	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	191663	53.204	ug/l	94
82) 4-Chlorotoluene	12.77	91	1843749	49.439	ug/l	99
83) tert-Butylbenzene	12.99	119	1906874	49.017	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2226497	50.351	ug/l	100
85) sec-Butylbenzene	13.17	105	2609356	49.589	ug/l	99
86) p-Isopropyltoluene	13.29	119	2286540	50.289	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1225408	49.356	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1212722	48.233	ug/l	100
89) n-Butylbenzene	13.62	91	1961001	50.133	ug/l	100
90) Hexachloroethane	13.88	117	355244	50.914	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1160132	49.649	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91167	49.801	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	651384	52.585	ug/l	99
94) Hexachlorobutadiene	15.01	225	394261	62.209	ug/l	99
95) Naphthalene	15.13	128	1372090	50.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	580195	52.023	ug/l	99

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

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