

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051974.D
 Acq On : 24 Oct 2018 8:39
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:23:33 AM

Quant Time: Oct 25 10:10:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1167230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1678158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	881734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446124	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
35) Dibromofluoromethane	7.59	113	480101	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
50) Toluene-d8	10.09	98	1783176	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.40	95	627404	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	364807	49.251	ug/l	100
3) Chloromethane	2.06	50	316040	47.387	ug/l	98
4) Vinyl Chloride	2.19	62	413836	46.292	ug/l	98
5) Bromomethane	2.57	94	408919	47.775	ug/l	96
6) Chloroethane	2.71	64	290486	43.768	ug/l	99
7) Trichlorofluoromethane	3.02	101	759192	47.661	ug/l	100
8) Diethyl Ether	3.41	74	220480	46.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	476916	49.980	ug/l	99
10) Methyl Iodide	3.96	142	727025	51.497	ug/l	99
11) Tert butyl alcohol	4.77	59	111372	207.012	ug/l	98
12) 1,1-Dichloroethene	3.74	96	418281	48.948	ug/l	98
13) Acrolein	3.61	56	64786	215.291	ug/l	98
14) Allyl chloride	4.33	41	443883	49.089	ug/l	98
15) Acrylonitrile	4.98	53	537146	236.514	ug/l	99
16) Acetone	3.81	43	363372	212.158	ug/l	100
17) Carbon Disulfide	4.06	76	1060915	52.228	ug/l	100
18) Methyl Acetate	4.32	43	240659	46.082	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1088896	47.461	ug/l	97
20) Methylene Chloride	4.55	84	466540	46.434	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	478384	49.431	ug/l	99
22) Diisopropyl ether	5.95	45	997684	48.225	ug/l	98
23) Vinyl Acetate	5.89	43	3414987	242.656	ug/l	100
24) 1,1-Dichloroethane	5.85	63	734878	48.654	ug/l	99
25) 2-Butanone	6.83	43	562785	230.490	ug/l	99
26) 2,2-Dichloropropane	6.82	77	713162	51.607	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	559444	49.484	ug/l	99
28) Bromochloromethane	7.19	49	274468	45.088	ug/l	96
29) Tetrahydrofuran	7.21	42	355743	215.040	ug/l	99
30) Chloroform	7.37	83	900084	48.804	ug/l	98
31) Cyclohexane	7.65	56	613190	50.570	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	838253	49.705	ug/l	99
36) 1,1-Dichloropropene	7.79	75	642999	49.950	ug/l	99
37) Ethyl Acetate	6.92	43	270832	46.971	ug/l	98
38) Carbon Tetrachloride	7.77	117	771862	52.229	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	820549	52.188	ug/l	99
40) Benzene	8.04	78	1904724	49.834	ug/l	100
41) Methacrylonitrile	7.18	41	137371	47.489	ug/l	95
42) 1,2-Dichloroethane	8.12	62	584958	47.733	ug/l	100
43) Isopropyl Acetate	8.16	43	513691	47.649	ug/l	99
44) Trichloroethene	8.83	130	624715	50.921	ug/l	96
45) 1,2-Dichloropropane	9.12	63	436661	50.503	ug/l	98
46) Dibromomethane	9.21	93	336109	48.224	ug/l	98
47) Bromodichloromethane	9.40	83	676327	51.381	ug/l	100
48) Methyl methacrylate	9.20	41	246186	47.245	ug/l	97
49) 1,4-Dioxane	9.20	88	80127	838.594	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1363615	229.948	ug/l	100
52) Toluene	10.15	92	1332389	51.407	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	660765	49.175	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	740473	53.821	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	466067	48.669	ug/l	98
56) Ethyl methacrylate	10.43	69	509597	49.505	ug/l	99
57) 1,3-Dichloropropane	10.71	76	712397	49.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1330554	247.032	ug/l	100
59) 2-Hexanone	10.75	43	936292	234.989	ug/l	99
60) Dibromochloromethane	10.90	129	576891	47.333	ug/l	100
61) 1,2-Dibromoethane	11.00	107	503138	49.830	ug/l	99
64) Tetrachloroethene	10.63	164	601536	49.720	ug/l	98
65) Chlorobenzene	11.43	112	1610537	50.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	600372	52.484	ug/l	99
67) Ethyl Benzene	11.51	91	2614294	51.103	ug/l	99
68) m/p-Xylenes	11.62	106	2164359	105.892	ug/l	100
69) o-Xylene	11.95	106	1052092	52.927	ug/l	98
70) Styrene	11.96	104	1703042	53.603	ug/l	99
71) Bromoform	12.12	173	379394	45.121	ug/l	98
73) Isopropylbenzene	12.25	105	2827647	50.566	ug/l	99
74) N-amyl acetate	12.07	43	498071	45.252	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	517483	44.786	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	372472m	40.896	ug/l	
77) Bromobenzene	12.53	156	791960	51.317	ug/l	96
78) n-propylbenzene	12.59	91	3108905	51.538	ug/l	100
79) 2-Chlorotoluene	12.67	91	1779162	50.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2353945	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132654	47.060	ug/l	98
82) 4-Chlorotoluene	12.77	91	1883466	51.785	ug/l	99
83) tert-Butylbenzene	12.99	119	2171889	51.184	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2404923	51.967	ug/l	100
85) sec-Butylbenzene	13.17	105	2862421	51.649	ug/l	100
86) p-Isopropyltoluene	13.29	119	2616488	52.440	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1457403	51.202	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1465861	52.237	ug/l	100
89) n-Butylbenzene	13.61	91	2030729	51.113	ug/l	100
90) Hexachloroethane	13.88	117	404163	54.372	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1375042	49.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68602	38.669	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	661970	40.698	ug/l	99
94) Hexachlorobutadiene	15.01	225	360365	43.118	ug/l	99
95) Naphthalene	15.13	128	1236336	35.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	537775	34.590	ug/l	99

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

