

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052374.D
 Acq On : 16 Nov 2018 19:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:46:27 PM

Quant Time: Nov 17 00:25:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	277422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193634	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	151345	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	570034	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	195250	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152976	52.037	ug/l	96
3) Chloromethane	2.06	50	196906	48.198	ug/l	99
4) Vinyl Chloride	2.19	62	178462	50.535	ug/l	98
5) Bromomethane	2.57	94	85230	38.714	ug/l	100
6) Chloroethane	2.71	64	96645	48.403	ug/l	100
7) Trichlorofluoromethane	3.03	101	250374	51.236	ug/l	98
8) Diethyl Ether	3.41	74	89650	48.135	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	149575	48.468	ug/l	99
10) Methyl Iodide	3.96	142	168849	40.750	ug/l	97
11) Tert butyl alcohol	4.78	59	37682	182.104	ug/l	96
12) 1,1-Dichloroethene	3.74	96	135982	47.616	ug/l	95
13) Acrolein	3.61	56	58860	193.937	ug/l	98
14) Allyl chloride	4.33	41	275100	46.914	ug/l	91
15) Acrylonitrile	4.99	53	276300	233.841	ug/l	98
16) Acetone	3.82	43	217547	201.652	ug/l	94
17) Carbon Disulfide	4.06	76	393059	47.998	ug/l	99
18) Methyl Acetate	4.33	43	146071	48.333	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	415512	50.630	ug/l	99
20) Methylene Chloride	4.56	84	164281	50.055	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	148741	48.376	ug/l	99
22) Diisopropyl ether	5.95	45	623333	52.098	ug/l	99
23) Vinyl Acetate	5.90	43	2114875	260.571	ug/l	99
24) 1,1-Dichloroethane	5.85	63	315212	49.132	ug/l	100
25) 2-Butanone	6.84	43	338260	222.757	ug/l	99
26) 2,2-Dichloropropane	6.83	77	232935	49.377	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	170783	47.713	ug/l	94
28) Bromochloromethane	7.20	49	162478	49.254	ug/l	99
29) Tetrahydrofuran	7.21	42	229330	229.892	ug/l	98
30) Chloroform	7.37	83	311572	50.959	ug/l	98
31) Cyclohexane	7.66	56	290235	48.697	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	266499	51.167	ug/l	98
36) 1,1-Dichloropropene	7.79	75	238204	51.095	ug/l	99
37) Ethyl Acetate	6.93	43	161384	47.698	ug/l	96
38) Carbon Tetrachloride	7.78	117	233195	54.445	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263883	49.583	ug/l	100
40) Benzene	8.04	78	669241	50.250	ug/l	98
41) Methacrylonitrile	7.17	41	92256	49.162	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	250880	52.826	ug/l	100
43) Isopropyl Acetate	8.17	43	316642	48.499	ug/l #	86
44) Trichloroethene	8.84	130	168626	51.400	ug/l	98
45) 1,2-Dichloropropane	9.12	63	189278	50.078	ug/l	98
46) Dibromomethane	9.21	93	109687	50.130	ug/l	98
47) Bromodichloromethane	9.40	83	237491	52.892	ug/l	98
48) Methyl methacrylate	9.20	41	159876	48.259	ug/l	97
49) 1,4-Dioxane	9.20	88	18892	742.868	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	823706	250.639	ug/l	99
52) Toluene	10.16	92	406490	51.020	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	238338	52.631	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	272378	52.763	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	144830	50.145	ug/l	95
56) Ethyl methacrylate	10.43	69	196372	51.699	ug/l	97
57) 1,3-Dichloropropane	10.71	76	261464	51.109	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	549424	254.067	ug/l	100
59) 2-Hexanone	10.75	43	539760	238.778	ug/l	99
60) Dibromochloromethane	10.90	129	162074	51.866	ug/l	98
61) 1,2-Dibromoethane	11.01	107	142057	49.377	ug/l	98
64) Tetrachloroethene	10.63	164	145671	48.650	ug/l	98
65) Chlorobenzene	11.43	112	444808	49.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	158441	52.191	ug/l	99
67) Ethyl Benzene	11.51	91	798802	51.698	ug/l	99
68) m/p-Xylenes	11.62	106	580019	102.739	ug/l	96
69) o-Xylene	11.95	106	282757	52.249	ug/l	98
70) Styrene	11.96	104	462051	53.322	ug/l	99
71) Bromoform	12.13	173	94590	52.772	ug/l #	98
73) Isopropylbenzene	12.25	105	776006	50.838	ug/l	99
74) N-amyl acetate	12.07	43	285007	52.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	175403	47.536	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	161958m	50.275	ug/l	
77) Bromobenzene	12.53	156	184752	52.019	ug/l	95
78) n-propylbenzene	12.59	91	913356	51.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	523318	50.180	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	625576	51.536	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47840	48.166	ug/l	98
82) 4-Chlorotoluene	12.77	91	542863	50.808	ug/l	97
83) tert-Butylbenzene	12.99	119	531374	49.584	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	637151	52.287	ug/l	99
85) sec-Butylbenzene	13.17	105	750131	51.385	ug/l	100
86) p-Isopropyltoluene	13.29	119	638104	51.601	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315522	50.022	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	316728	50.506	ug/l	99
89) n-Butylbenzene	13.61	91	582793	54.873	ug/l	99
90) Hexachloroethane	13.87	117	112527	51.376	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	307235	50.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28567	52.502	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148187	52.020	ug/l	98
94) Hexachlorobutadiene	15.01	225	66483	47.531	ug/l	98
95) Naphthalene	15.13	128	340296	50.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133318	57.413	ug/l	98

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

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