

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051810.D
 Acq On : 11 Oct 2018 11:57
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:17 PM

Quant Time: Oct 11 12:36:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 12:23:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	908522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1319681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1233623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	631823	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424162	38.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.56%	
35) Dibromofluoromethane	7.59	113	407235	38.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.58%	
50) Toluene-d8	10.09	98	1519658	38.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.44%	
62) 4-Bromofluorobenzene	12.40	95	537673	41.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	231876	19.07	ug/l	99
3) Chloromethane	2.06	50	279661	18.65	ug/l	100
4) Vinyl Chloride	2.18	62	435040	30.62	ug/l	99
5) Bromomethane	2.56	94	385535	42.16	ug/l	99
6) Chloroethane	2.70	64	320777	39.08	ug/l	98
7) Trichlorofluoromethane	3.00	101	648192	35.63	ug/l	99
8) Diethyl Ether	3.41	74	175715	28.41	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.75	101	341572	30.06	ug/l	97
10) Methyl Iodide	3.95	142	469291	52.02	ug/l	96
11) Tert butyl alcohol	4.80	59	149825	215.12	ug/l	100
12) 1,1-Dichloroethene	3.73	96	309112	30.29	ug/l	93
13) Acrolein	3.61	56	156190	410.56	ug/l	96
14) Allyl chloride	4.32	41	397428	25.00	ug/l #	79
15) Acrylonitrile	4.99	53	516846	146.02	ug/l	99
16) Acetone	3.82	43	429442	145.29	ug/l	97
17) Carbon Disulfide	4.05	76	842730	24.64	ug/l	100
18) Methyl Acetate	4.33	43	237561	23.00	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	991153	38.62	ug/l	93
20) Methylene Chloride	4.55	84	356709	28.94	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	362566	32.85	ug/l	89
22) Diisopropyl ether	5.96	45	869087	27.43	ug/l #	90
23) Vinyl Acetate	5.90	43	3280417	160.75	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	596999	29.35	ug/l	97
25) 2-Butanone	6.84	43	640414	145.30	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	610166	37.33	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	431515	36.27	ug/l	90
28) Bromochloromethane	7.20	49	237614	27.49	ug/l #	67
29) Tetrahydrofuran	7.22	42	381105	150.81	ug/l #	80
30) Chloroform	7.37	83	706612	35.08	ug/l	98
31) Cyclohexane	7.65	56	530120	26.23	ug/l	84
32) 1,1,1-Trichloroethane	7.57	97	677550	39.16	ug/l	97
36) 1,1-Dichloropropene	7.79	75	510146	32.76	ug/l	95
37) Ethyl Acetate	6.93	43	277016	30.97	ug/l	97
38) Carbon Tetrachloride	7.78	117	618910	39.32	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051810.D
 Acq On : 11 Oct 2018 11:57
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:17 PM

Quant Time: Oct 11 12:36:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 12:23:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	679895	40.36	ug/l	89
40) Benzene	8.04	78	1528980	32.56	ug/l	100
41) Methacrylonitrile	7.18	41	131847m	27.23	ug/l	
42) 1,2-Dichloroethane	8.13	62	494583	35.23	ug/l	100
43) Isopropyl Acetate	8.17	43	533938	34.71	ug/l #	96
44) Trichloroethene	8.84	130	472454	38.15	ug/l	93
45) 1,2-Dichloropropane	9.12	63	356619	28.89	ug/l	100
46) Dibromomethane	9.21	93	277219	38.23	ug/l	99
47) Bromodichloromethane	9.40	83	554235	36.49	ug/l	97
48) Methyl methacrylate	9.20	41	245488	31.32	ug/l #	79
49) 1,4-Dioxane	9.20	88	86765m	811.97	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	1438838	156.76	ug/l	96
52) Toluene	10.16	92	1052591	37.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	570240	37.72	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	616978	35.64	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	391370	37.91	ug/l	95
56) Ethyl methacrylate	10.43	69	472767	40.37	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	595531	34.94	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1031988	206.40	ug/l	90
59) 2-Hexanone	10.75	43	1019598	166.87	ug/l	97
60) Dibromochloromethane	10.90	129	478846	41.42	ug/l	100
61) 1,2-Dibromoethane	11.01	107	410678	41.13	ug/l	98
64) Tetrachloroethene	10.63	164	459740	39.24	ug/l	99
65) Chlorobenzene	11.44	112	1231132	38.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	468693	39.73	ug/l	100
67) Ethyl Benzene	11.51	91	2072280	39.53	ug/l	97
68) m/p-Xylenes	11.62	106	1697576	85.32	ug/l	95
69) o-Xylene	11.95	106	823030	43.03	ug/l	94
70) Styrene	11.96	104	1302935	43.57	ug/l	99
71) Bromoform	12.13	173	327668	40.39	ug/l #	99
73) Isopropylbenzene	12.25	105	2210757	42.26	ug/l	98
74) N-amyl acetate	12.07	43	466132	35.46	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	477706	33.89	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	373459m	33.75	ug/l	
77) Bromobenzene	12.53	156	554040	38.97	ug/l	89
78) n-propylbenzene	12.59	91	2443322	41.81	ug/l	97
79) 2-Chlorotoluene	12.68	91	1405149	38.60	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1867629	44.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	134558	41.10	ug/l	97
82) 4-Chlorotoluene	12.77	91	1432757	39.87	ug/l	96
83) tert-Butylbenzene	12.99	119	1689830	46.22	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1889863	44.51	ug/l	98
85) sec-Butylbenzene	13.17	105	2276132	47.51	ug/l	99
86) p-Isopropyltoluene	13.29	119	2056852	50.39	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1020735	42.30	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	989296	41.66	ug/l	99
89) n-Butylbenzene	13.62	91	1642516	50.31	ug/l	98
90) Hexachloroethane	13.88	117	355123	42.03	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	984694	42.30	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77206	41.09	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
Data File : VN051810.D
Acq On : 11 Oct 2018 11:57
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
10/15/2018 3:00:17 PM

Quant Time: Oct 11 12:36:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 11 12:23:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	490396	48.40	ug/l	99
94) Hexachlorobutadiene	15.01	225	317459	41.82	ug/l	100
95) Naphthalene	15.14	128	1031028	51.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	481519	48.80	ug/l	99

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

