

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064077.D
 Acq On : 12 Oct 2020 14:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 4:09:44 PM

Quant Time: Oct 13 01:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	270853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	429565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197224	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	7.55	113	140178	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
50) Toluene-d8	10.06	98	530586	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.38	95	194739	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	115178	40.301	ug/l	99
3) Chloromethane	2.04	50	148662	44.332	ug/l	97
4) Vinyl Chloride	2.16	62	142581	42.357	ug/l	99
5) Bromomethane	2.52	94	91756	43.336	ug/l	99
6) Chloroethane	2.67	64	94066	46.766	ug/l	99
7) Trichlorofluoromethane	2.98	101	233174	43.677	ug/l	98
8) Diethyl Ether	3.37	74	87262	48.331	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	132153	46.314	ug/l	98
10) Methyl Iodide	3.91	142	154038	46.493	ug/l	98
11) Tert butyl alcohol	4.73	59	148027	299.638	ug/l	100
12) 1,1-Dichloroethene	3.69	96	121617	44.590	ug/l	99
13) Acrolein	3.57	56	72136	237.914	ug/l	98
14) Allyl chloride	4.27	41	267701	52.832	ug/l	87
15) Acrylonitrile	4.93	53	402680	284.761	ug/l	100
16) Acetone	3.77	43	390303	283.352	ug/l	99
17) Carbon Disulfide	4.01	76	321197	43.661	ug/l	100
18) Methyl Acetate	4.28	43	217009	60.678	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	490721	49.523	ug/l	99
20) Methylene Chloride	4.50	84	155333	49.235	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	136615	44.719	ug/l	93
22) Diisopropyl ether	5.90	45	564757	54.173	ug/l	96
23) Vinyl Acetate	5.84	43	2298861	266.202	ug/l	99
24) 1,1-Dichloroethane	5.80	63	293336	49.211	ug/l	99
25) 2-Butanone	6.78	43	583259	298.665	ug/l	97
26) 2,2-Dichloropropane	6.77	77	249588	45.723	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	166708	47.447	ug/l	99
28) Bromochloromethane	7.15	49	152741	51.845	ug/l	96
29) Tetrahydrofuran	7.16	42	386249	294.894	ug/l	96
30) Chloroform	7.32	83	302889	48.734	ug/l	95
31) Cyclohexane	7.61	56	234661	45.172	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	263479	47.000	ug/l	99
36) 1,1-Dichloropropene	7.75	75	215504	49.519	ug/l	99
37) Ethyl Acetate	6.88	43	242252	56.029	ug/l	98
38) Carbon Tetrachloride	7.73	117	224354	45.974	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064077.D
 Acq On : 12 Oct 2020 14:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 4:09:44 PM

Quant Time: Oct 13 01:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	200044	46.094	ug/l	99
40) Benzene	8.00	78	633963	51.002	ug/l	98
41) Methacrylonitrile	7.12	41	103474	53.847	ug/l	91
42) 1,2-Dichloroethane	8.08	62	248555	46.844	ug/l	99
43) Isopropyl Acetate	8.13	43	397042	55.673	ug/l	99
44) Trichloroethene	8.80	130	155761	47.825	ug/l	100
45) 1,2-Dichloropropane	9.08	63	179299	53.411	ug/l	99
46) Dibromomethane	9.17	93	113701	49.098	ug/l	98
47) Bromodichloromethane	9.37	83	244336	51.194	ug/l	97
48) Methyl methacrylate	9.16	41	203535	57.765	ug/l	89
49) 1,4-Dioxane	9.16	88	59836	1194.879	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1253093	299.409	ug/l	100
52) Toluene	10.12	92	394111	51.260	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	266070	52.006	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	281140	52.544	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	160843	52.165	ug/l	98
56) Ethyl methacrylate	10.40	69	243962	55.820	ug/l	94
57) 1,3-Dichloropropane	10.68	76	272527	52.243	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	664139	284.083	ug/l	99
59) 2-Hexanone	10.72	43	920485	296.067	ug/l	100
60) Dibromochloromethane	10.87	129	181103	50.435	ug/l	100
61) 1,2-Dibromoethane	10.98	107	162432	51.500	ug/l	99
64) Tetrachloroethene	10.60	164	139524	44.334	ug/l	98
65) Chlorobenzene	11.41	112	413844	49.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	162586	50.824	ug/l	97
67) Ethyl Benzene	11.48	91	769420	50.674	ug/l	99
68) m/p-Xylenes	11.59	106	563692	99.611	ug/l	98
69) o-Xylene	11.92	106	271477	51.327	ug/l	98
70) Styrene	11.94	104	469414	52.283	ug/l	99
71) Bromoform	12.10	173	125717	51.384	ug/l #	97
73) Isopropylbenzene	12.22	105	728909	51.405	ug/l	100
74) N-amyl acetate	12.04	43	346305	52.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	235332	54.273	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	219131m	51.133	ug/l	
77) Bromobenzene	12.50	156	177994	51.157	ug/l	97
78) n-propylbenzene	12.57	91	845085	51.209	ug/l	100
79) 2-Chlorotoluene	12.65	91	516922	50.932	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	619160	52.047	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	84269	56.635	ug/l	95
82) 4-Chlorotoluene	12.75	91	548101	52.021	ug/l	100
83) tert-Butylbenzene	12.97	119	492754	50.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	617234	51.968	ug/l	97
85) sec-Butylbenzene	13.15	105	651903	51.006	ug/l	99
86) p-Isopropyltoluene	13.26	119	583853	51.638	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	316934	50.350	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	316926	48.356	ug/l	99
89) n-Butylbenzene	13.59	91	497467	47.670	ug/l	100
90) Hexachloroethane	13.85	117	109188	49.836	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	310579	49.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50181	49.348	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
Data File : VN064077.D
Acq On : 12 Oct 2020 14:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/13/2020 4:09:44 PM

Quant Time: Oct 13 01:33:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	140411	41.715	ug/l	98
94) Hexachlorobutadiene	14.98	225	86056	50.906	ug/l	96
95) Naphthalene	15.10	128	412443	39.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	143428	43.820	ug/l	97

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

