

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057021.D
 Acq On : 31 Jul 2019 17:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/2/2019 10:54:23 PM

Quant Time: Aug 01 02:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	661854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	256494	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.58	113	233509	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
50) Toluene-d8	10.08	98	891420	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	12.40	95	290580	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	237788	53.225	ug/l	97
3) Chloromethane	2.05	50	263183	49.196	ug/l	99
4) Vinyl Chloride	2.18	62	249220	49.682	ug/l	99
5) Bromomethane	2.54	94	142633	45.738	ug/l	99
6) Chloroethane	2.69	64	136878	49.500	ug/l	99
7) Trichlorofluoromethane	3.00	101	337722	51.432	ug/l	97
8) Diethyl Ether	3.40	74	130124	52.950	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205631	50.510	ug/l	98
10) Methyl Iodide	3.94	142	294587	54.153	ug/l	99
11) Tert butyl alcohol	4.77	59	169599	277.367	ug/l	99
12) 1,1-Dichloroethene	3.72	96	198348	51.062	ug/l	99
13) Acrolein	3.60	56	72719	231.653	ug/l	99
14) Allyl chloride	4.31	41	325852	51.569	ug/l	98
15) Acrylonitrile	4.97	53	496698	276.999	ug/l	99
16) Acetone	3.81	43	389015	237.372	ug/l	97
17) Carbon Disulfide	4.04	76	487821	47.261	ug/l	100
18) Methyl Acetate	4.31	43	272422	52.108	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	632435	54.603	ug/l	98
20) Methylene Chloride	4.54	84	233862	49.539	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	212189	51.434	ug/l	98
22) Diisopropyl ether	5.94	45	679854	52.220	ug/l	97
23) Vinyl Acetate	5.88	43	2449841	271.590	ug/l	99
24) 1,1-Dichloroethane	5.83	63	399491	52.008	ug/l	100
25) 2-Butanone	6.82	43	609439	262.251	ug/l	99
26) 2,2-Dichloropropane	6.81	77	294392	50.404	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	251031	51.447	ug/l	99
28) Bromochloromethane	7.18	49	192856	53.414	ug/l	99
29) Tetrahydrofuran	7.20	42	406948	268.399	ug/l	99
30) Chloroform	7.36	83	397887	50.662	ug/l	100
31) Cyclohexane	7.64	56	353834	47.602	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	334500	53.380	ug/l	99
36) 1,1-Dichloropropene	7.78	75	293554	50.406	ug/l	99
37) Ethyl Acetate	6.92	43	243948	52.300	ug/l	98
38) Carbon Tetrachloride	7.76	117	290135	52.667	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057021.D
 Acq On : 31 Jul 2019 17:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/2/2019 10:54:23 PM

Quant Time: Aug 01 02:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	361692	48.592	ug/l	99
40) Benzene	8.03	78	909255	50.690	ug/l	99
41) Methacrylonitrile	7.16	41	117493	54.488	ug/l	92
42) 1,2-Dichloroethane	8.11	62	291153	51.790	ug/l	98
43) Isopropyl Acetate	8.16	43	439232	56.973	ug/l #	89
44) Trichloroethene	8.83	130	250723	50.735	ug/l	100
45) 1,2-Dichloropropane	9.11	63	242493	50.541	ug/l	100
46) Dibromomethane	9.20	93	154212	53.296	ug/l	98
47) Bromodichloromethane	9.39	83	305419	53.687	ug/l	100
48) Methyl methacrylate	9.19	41	205650	55.251	ug/l	100
49) 1,4-Dioxane	9.19	88	83864	1093.339	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1238703	270.420	ug/l	99
52) Toluene	10.15	92	566081	52.526	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	314652	53.300	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	365209	53.206	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	224064	51.843	ug/l	99
56) Ethyl methacrylate	10.42	69	327046	50.103	ug/l	100
57) 1,3-Dichloropropane	10.70	76	371548	51.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	593041	228.978	ug/l	99
59) 2-Hexanone	10.74	43	869723	246.586	ug/l	99
60) Dibromochloromethane	10.89	129	243672	55.031	ug/l	98
61) 1,2-Dibromoethane	11.00	107	231403	54.864	ug/l	99
64) Tetrachloroethene	10.62	164	263222	52.082	ug/l	98
65) Chlorobenzene	11.43	112	608837	50.934	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	235856	52.423	ug/l	99
67) Ethyl Benzene	11.51	91	1062407	51.426	ug/l	99
68) m/p-Xylenes	11.62	106	803020	105.323	ug/l	99
69) o-Xylene	11.94	106	395311	52.996	ug/l	99
70) Styrene	11.96	104	656758	49.820	ug/l	100
71) Bromoform	12.12	173	175136	55.756	ug/l #	100
73) Isopropylbenzene	12.25	105	1050089	47.319	ug/l	100
74) N-amyl acetate	12.07	43	331304	51.415	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	294976	52.727	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	247618m	47.484	ug/l	
77) Bromobenzene	12.52	156	279167	48.199	ug/l	99
78) n-propylbenzene	12.59	91	1145795	48.356	ug/l	99
79) 2-Chlorotoluene	12.67	91	685206	46.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	886703	48.684	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87715	54.044	ug/l	98
82) 4-Chlorotoluene	12.77	91	674880	49.427	ug/l	100
83) tert-Butylbenzene	12.99	119	772747	47.927	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	863141	49.251	ug/l	99
85) sec-Butylbenzene	13.17	105	997073	47.943	ug/l	99
86) p-Isopropyltoluene	13.29	119	910900	49.333	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	439662	49.904	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	423519	49.935	ug/l	100
89) n-Butylbenzene	13.61	91	711036	49.966	ug/l	99
90) Hexachloroethane	13.87	117	153585	48.307	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	436091	50.293	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47675	54.014	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
Data File : VN057021.D
Acq On : 31 Jul 2019 17:47
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMdadoda
8/2/2019 10:54:23 PM

Quant Time: Aug 01 02:18:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	193537	43.631	ug/l	99
94) Hexachlorobutadiene	15.00	225	164983	54.788	ug/l	99
95) Naphthalene	15.12	128	503478	46.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	216464	47.974	ug/l	99

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

