

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060390.D
 Acq On : 9 Mar 2020 9:32
 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
 3/10/2020 10:45:55 AM

Quant Time: Mar 09 16:30:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	338677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128594	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	7.56	113	94697	60.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.48%	
50) Toluene-d8	10.08	98	375540	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.40	95	144186	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	80218	42.10	ug/l	99
3) Chloromethane	2.03	50	137098	41.33	ug/l	99
4) Vinyl Chloride	2.16	62	113745	39.98	ug/l	99
5) Bromomethane	2.54	94	45176	38.92	ug/l	98
6) Chloroethane	2.68	64	65335	42.39	ug/l	94
7) Trichlorofluoromethane	3.00	101	153141	42.13	ug/l	99
8) Diethyl Ether	3.38	74	62083	45.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89483	43.50	ug/l	98
10) Methyl Iodide	3.92	142	81437	43.38	ug/l	99
11) Tert butyl alcohol	4.73	59	91805	231.88	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89237	44.69	ug/l	97
13) Acrolein	3.57	56	100286	271.51	ug/l	99
14) Allyl chloride	4.29	41	155885	42.35	ug/l	92
15) Acrylonitrile	4.94	53	257484	246.73	ug/l	99
16) Acetone	3.78	43	183595	213.22	ug/l	100
17) Carbon Disulfide	4.03	76	223309	42.03	ug/l	100
18) Methyl Acetate	4.28	43	135534	47.17	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	346002	47.73	ug/l	97
20) Methylene Chloride	4.52	84	104810	44.32	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	95595	44.52	ug/l	95
22) Diisopropyl ether	5.91	45	367816	49.33	ug/l	97
23) Vinyl Acetate	5.86	43	1459112	246.25	ug/l	99
24) 1,1-Dichloroethane	5.81	63	199242	47.20	ug/l	99
25) 2-Butanone	6.79	43	335067	240.92	ug/l	98
26) 2,2-Dichloropropane	6.79	77	177729	46.25	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	118829	43.34	ug/l	98
28) Bromochloromethane	7.17	49	82573	47.65	ug/l	95
29) Tetrahydrofuran	7.18	42	228242	236.00	ug/l	99
30) Chloroform	7.34	83	199028	47.37	ug/l	99
31) Cyclohexane	7.63	56	168087	46.57	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	171606	46.09	ug/l	99
36) 1,1-Dichloropropene	7.77	75	142516	44.15	ug/l	99
37) Ethyl Acetate	6.89	43	149257	48.84	ug/l	99
38) Carbon Tetrachloride	7.75	117	141720	45.10	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060390.D
 Acq On : 9 Mar 2020 9:32
 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
 3/10/2020 10:45:55 AM

Quant Time: Mar 09 16:30:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	164400	43.20	ug/l	97
40) Benzene	8.02	78	432862	46.08	ug/l	100
41) Methacrylonitrile	7.15	41	78172m	55.39	ug/l	
42) 1,2-Dichloroethane	8.10	62	161201	47.55	ug/l	100
43) Isopropyl Acetate	8.14	43	262422	49.05	ug/l	99
44) Trichloroethene	8.81	130	119724	45.76	ug/l	99
45) 1,2-Dichloropropane	9.10	63	121702	49.55	ug/l	100
46) Dibromomethane	9.19	93	74469	46.72	ug/l	99
47) Bromodichloromethane	9.38	83	159737	49.28	ug/l	99
48) Methyl methacrylate	9.18	41	115745	47.44	ug/l	99
49) 1,4-Dioxane	9.18	88	34844	1015.51	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	750779	247.48	ug/l	100
52) Toluene	10.14	92	272225	46.13	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	188388	47.43	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	197063	47.88	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	111587	47.02	ug/l	99
56) Ethyl methacrylate	10.42	69	170806	50.10	ug/l	99
57) 1,3-Dichloropropane	10.70	76	191307	49.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	415216	232.85	ug/l	99
59) 2-Hexanone	10.74	43	548357	246.19	ug/l	99
60) Dibromochloromethane	10.89	129	120232	49.82	ug/l	99
61) 1,2-Dibromoethane	10.99	107	110019	47.56	ug/l	99
64) Tetrachloroethene	10.62	164	129702	52.22	ug/l	100
65) Chlorobenzene	11.42	112	289229	45.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	112476	47.70	ug/l	100
67) Ethyl Benzene	11.50	91	538167	46.34	ug/l	100
68) m/p-Xylenes	11.62	106	398815	91.02	ug/l	100
69) o-Xylene	11.94	106	193982	46.43	ug/l	100
70) Styrene	11.96	104	320782	46.70	ug/l	100
71) Bromoform	12.12	173	84566	49.76	ug/l #	99
73) Isopropylbenzene	12.24	105	525024	46.05	ug/l	100
74) N-amyl acetate	12.06	43	234158	47.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	147357	47.55	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	152950m	45.32	ug/l	
77) Bromobenzene	12.52	156	127700	45.70	ug/l	99
78) n-propylbenzene	12.59	91	617595	46.22	ug/l	100
79) 2-Chlorotoluene	12.67	91	361919	46.07	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	443717	46.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	60356	49.37	ug/l	99
82) 4-Chlorotoluene	12.77	91	377270	45.59	ug/l	99
83) tert-Butylbenzene	12.99	119	371654	44.72	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	447340	46.17	ug/l	100
85) sec-Butylbenzene	13.17	105	506455	45.51	ug/l	100
86) p-Isopropyltoluene	13.28	119	461607	44.82	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	231636	48.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	229570	48.07	ug/l	100
89) n-Butylbenzene	13.61	91	419935	44.41	ug/l	99
90) Hexachloroethane	13.87	117	61386	41.17	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	221572	45.25	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31150	44.39	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
Data File : VN060390.D
Acq On : 9 Mar 2020 9:32
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
3/10/2020 10:45:55 AM

Quant Time: Mar 09 16:30:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	144206	46.35	ug/l	100
94) Hexachlorobutadiene	15.01	225	68595	47.94	ug/l	100
95) Naphthalene	15.13	128	406924	44.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133329	45.48	ug/l	99

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

