

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059295.D
 Acq On : 18 Nov 2019 19:24
 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
 11/19/2019 11:03:46 AM

Quant Time: Nov 19 05:24:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	388748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	622796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	561587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	217897	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
35) Dibromofluoromethane	7.57	113	181012	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.08	98	674978	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.40	95	260107	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	172943	44.154	ug/l	98
3) Chloromethane	2.04	50	234283	44.003	ug/l	100
4) Vinyl Chloride	2.17	62	243472	47.167	ug/l	100
5) Bromomethane	2.53	94	124383	41.873	ug/l	97
6) Chloroethane	2.68	64	149491	48.956	ug/l	98
7) Trichlorofluoromethane	2.99	101	313586	50.789	ug/l	99
8) Diethyl Ether	3.39	74	141543	56.419	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	192464	51.700	ug/l	99
10) Methyl Iodide	3.93	142	230313	49.981	ug/l	99
11) Tert butyl alcohol	4.75	59	287133	315.281	ug/l	98
12) 1,1-Dichloroethene	3.71	96	191683	52.857	ug/l	97
13) Acrolein	3.58	56	102693	218.706	ug/l	98
14) Allyl chloride	4.29	41	380301	51.053	ug/l	98
15) Acrylonitrile	4.95	53	672993	296.935	ug/l	100
16) Acetone	3.79	43	549131	220.976	ug/l	96
17) Carbon Disulfide	4.03	76	491720	43.680	ug/l	99
18) Methyl Acetate	4.29	43	345202	58.524	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	738820	59.175	ug/l	99
20) Methylene Chloride	4.52	84	234400	54.143	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	206604	53.076	ug/l	96
22) Diisopropyl ether	5.92	45	776101	55.159	ug/l	97
23) Vinyl Acetate	5.87	43	3271942	300.048	ug/l	98
24) 1,1-Dichloroethane	5.82	63	429136	54.607	ug/l	98
25) 2-Butanone	6.81	43	902360	275.520	ug/l	99
26) 2,2-Dichloropropane	6.80	77	347157	50.520	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	253002	56.023	ug/l	96
28) Bromochloromethane	7.17	49	112315	47.504	ug/l	95
29) Tetrahydrofuran	7.19	42	593586	285.240	ug/l	96
30) Chloroform	7.35	83	421215	55.875	ug/l	100
31) Cyclohexane	7.63	56	349314	46.953	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	351901	55.522	ug/l	99
36) 1,1-Dichloropropene	7.77	75	302404	51.948	ug/l	99
37) Ethyl Acetate	6.91	43	363887	56.190	ug/l	99
38) Carbon Tetrachloride	7.75	117	303680	52.412	ug/l	98

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39) Methylcyclohexane	9.07	83	345436	51.129	ug/l	98
40) Benzene	8.02	78	943654	53.831	ug/l	100
41) Methacrylonitrile	7.15	41	150414m	53.413	ug/l	
42) 1,2-Dichloroethane	8.10	62	320840	53.364	ug/l	99
43) Isopropyl Acetate	8.15	43	579036	56.084	ug/l	98
44) Trichloroethene	8.82	130	230989	53.604	ug/l	98
45) 1,2-Dichloropropane	9.10	63	261252	54.868	ug/l	100
46) Dibromomethane	9.19	93	161798	54.531	ug/l	98
47) Bromodichloromethane	9.39	83	332379	56.099	ug/l	97
48) Methyl methacrylate	9.18	41	262646	56.873	ug/l	96
49) 1,4-Dioxane	9.18	88	99130	1207.865	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1811105	310.023	ug/l	98
52) Toluene	10.15	92	582543	55.443	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	376639	55.023	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	412589	56.034	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	238710	56.137	ug/l	99
56) Ethyl methacrylate	10.42	69	392246	55.107	ug/l	95
57) 1,3-Dichloropropane	10.70	76	410943	56.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	703219	297.155	ug/l	99
59) 2-Hexanone	10.74	43	1341250	299.127	ug/l	97
60) Dibromochloromethane	10.90	129	256988	57.161	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243466	56.559	ug/l	98
64) Tetrachloroethene	10.63	164	198013	51.853	ug/l	98
65) Chlorobenzene	11.43	112	614500	56.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232907	56.714	ug/l	98
67) Ethyl Benzene	11.51	91	1116013	57.457	ug/l	99
68) m/p-Xylenes	11.62	106	829104	113.954	ug/l	99
69) o-Xylene	11.95	106	406572	57.823	ug/l	97
70) Styrene	11.96	104	673724	60.925	ug/l	99
71) Bromoform	12.13	173	187457	58.684	ug/l #	99
73) Isopropylbenzene	12.25	105	1093532	55.570	ug/l	100
74) N-amyl acetate	12.07	43	484385	58.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	374115	55.826	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	329237m	53.456	ug/l	
77) Bromobenzene	12.53	156	260946	52.780	ug/l	100
78) n-propylbenzene	12.59	91	1269907	56.361	ug/l	100
79) 2-Chlorotoluene	12.67	91	764269	54.678	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	927563	55.628	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	131182	56.257	ug/l	97
82) 4-Chlorotoluene	12.77	91	771930	55.062	ug/l	99
83) tert-Butylbenzene	12.99	119	812911	56.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	925815	57.388	ug/l	99
85) sec-Butylbenzene	13.17	105	1068951	57.079	ug/l	100
86) p-Isopropyltoluene	13.29	119	963332	58.257	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	464756	54.895	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	460853	54.406	ug/l	99
89) n-Butylbenzene	13.62	91	834365	57.650	ug/l	100
90) Hexachloroethane	13.88	117	173873	52.365	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	463356	55.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76877	57.496	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	261220	51.594	ug/l	100
94) Hexachlorobutadiene	15.01	225	155091	54.008	ug/l	99
95) Naphthalene	15.13	128	754483	53.587	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	260869	55.892	ug/l	99

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

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