

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061965.D
 Acq On : 19 Jun 2020 20:24
 Operator : JC/MD
 Sample : L2984-02MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:27:23 PM

Quant Time: Jun 22 01:33:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	292862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	275661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	120666	56.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.84%	
35) Dibromofluoromethane	7.55	113	97747	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
50) Toluene-d8	10.06	98	376612	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.38	95	131730	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	83998	40.536	ug/l	100
3) Chloromethane	2.03	50	130547	58.974	ug/l	98
4) Vinyl Chloride	2.16	62	179496	68.019	ug/l	100
5) Bromomethane	2.52	94	79625	39.292	ug/l	98
6) Chloroethane	2.66	64	95133	53.267	ug/l	98
7) Trichlorofluoromethane	2.98	101	168430	53.433	ug/l	99
8) Diethyl Ether	3.37	74	65550	61.857	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	68082	42.100	ug/l	99
10) Methyl Iodide	3.91	142	102045	52.042	ug/l	99
11) Tert butyl alcohol	4.74	59	111975	378.333	ug/l	98
12) 1,1-Dichloroethene	3.69	96	87603	54.064	ug/l	99
13) Acrolein	3.56	56	54227	306.552	ug/l	99
14) Allyl chloride	4.27	41	131226	61.019	ug/l	97
15) Acrylonitrile	4.93	53	264523	360.698	ug/l	99
16) Acetone	3.77	43	366803	580.597	ug/l	97
17) Carbon Disulfide	4.00	76	250869	52.913	ug/l	98
18) Methyl Acetate	4.28	43	133078	73.165	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	335762	62.235	ug/l	100
20) Methylene Chloride	4.50	84	110887	53.873	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	114226	61.373	ug/l	98
22) Diisopropyl ether	5.90	45	293429	59.659	ug/l	99
23) Vinyl Acetate	5.84	43	1177259	304.327	ug/l	97
24) 1,1-Dichloroethane	5.80	63	183177	56.893	ug/l	98
25) 2-Butanone	6.79	43	2993701	3247.838	ug/l	99
26) 2,2-Dichloropropane	6.78	77	133550	49.302	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	158594	73.850	ug/l	99
28) Bromochloromethane	7.15	49	88839	61.970	ug/l	91
29) Tetrahydrofuran	7.17	42	271644	447.805	ug/l	92
30) Chloroform	7.33	83	193967	56.369	ug/l	99
31) Cyclohexane	7.61	56	120826	42.868	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	156661	53.459	ug/l	98
36) 1,1-Dichloropropene	7.75	75	134622	50.397	ug/l	99
37) Ethyl Acetate	6.88	43	160814	77.093	ug/l	98
38) Carbon Tetrachloride	7.73	117	125704	47.520	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	114968	39.970	ug/l	98
40) Benzene	8.00	78	436578	53.954	ug/l	98
41) Methacrylonitrile	7.13	41	79416m	89.033	ug/l	
42) 1,2-Dichloroethane	8.09	62	152289	55.196	ug/l	100
43) Isopropyl Acetate	8.13	43	241537	68.709	ug/l	98
44) Trichloroethene	8.80	130	109857	51.587	ug/l	100
45) 1,2-Dichloropropane	9.09	63	111485	56.063	ug/l	100
46) Dibromomethane	9.18	93	78362	55.960	ug/l	98
47) Bromodichloromethane	9.37	83	153823	53.646	ug/l	98
48) Methyl methacrylate	9.17	41	116273	72.732	ug/l	92
49) 1,4-Dioxane	9.17	88	45093	1228.586	ug/l #	80
51) 4-Methyl-2-Pentanone	9.95	43	784421	377.608	ug/l	100
52) Toluene	10.12	92	323960	63.748	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	173713	57.068	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	184848	55.910	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	114730	57.381	ug/l	99
56) Ethyl methacrylate	10.40	69	177138	57.535	ug/l	97
57) 1,3-Dichloropropane	10.68	76	193388	57.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	259442	245.860	ug/l	98
59) 2-Hexanone	10.72	43	610018	361.262	ug/l	99
60) Dibromochloromethane	10.87	129	123190	55.215	ug/l	99
61) 1,2-Dibromoethane	10.98	107	120405	57.670	ug/l	99
64) Tetrachloroethene	10.60	164	83503	47.527	ug/l	96
65) Chlorobenzene	11.41	112	303151	52.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	108228	53.350	ug/l	99
67) Ethyl Benzene	11.48	91	518164	53.132	ug/l	99
68) m/p-Xylenes	11.59	106	402888	107.135	ug/l	100
69) o-Xylene	11.92	106	194895	54.317	ug/l	99
70) Styrene	11.94	104	337496	56.175	ug/l	100
71) Bromoform	12.10	173	85814	58.014	ug/l #	98
73) Isopropylbenzene	12.22	105	483381	51.992	ug/l	99
74) N-amyl acetate	12.04	43	225806	66.020	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	182805	60.476	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	166981m	65.008	ug/l	
77) Bromobenzene	12.50	156	127268	54.259	ug/l	96
78) n-propylbenzene	12.57	91	555029	52.319	ug/l	99
79) 2-Chlorotoluene	12.65	91	340603	53.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	405267	52.688	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	60421	64.156	ug/l	100
82) 4-Chlorotoluene	12.75	91	354334	53.820	ug/l	98
83) tert-Butylbenzene	12.97	119	321579	49.315	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	418057	55.059	ug/l	99
85) sec-Butylbenzene	13.15	105	423237	49.587	ug/l	99
86) p-Isopropyltoluene	13.26	119	390341	51.323	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	221158	51.696	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	226413	51.704	ug/l	100
89) n-Butylbenzene	13.59	91	321045	50.545	ug/l	98
90) Hexachloroethane	13.85	117	69561	49.965	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	226257	54.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	36141	73.648	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	103029	53.015	ug/l	98
94) Hexachlorobutadiene	14.98	225	39713	51.884	ug/l	98
95) Naphthalene	15.10	128	393429	59.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	102875	53.450	ug/l	99

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

