

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063623.D
 Acq On : 24 Sep 2020 13:05
 Operator : JC/MD
 Sample : VN0924WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:16:07 PM

Quant Time: Sep 24 17:00:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	235950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	173564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	184138	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
35) Dibromofluoromethane	7.55	113	125502	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
50) Toluene-d8	10.06	98	474094	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.38	95	171232	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43137	16.137	ug/l	97
3) Chloromethane	2.04	50	55090	15.579	ug/l	100
4) Vinyl Chloride	2.17	62	54324	17.339	ug/l	99
5) Bromomethane	2.54	94	35934	19.317	ug/l	98
6) Chloroethane	2.68	64	35084	18.243	ug/l	99
7) Trichlorofluoromethane	2.99	101	90220	19.301	ug/l	99
8) Diethyl Ether	3.37	74	33034	18.128	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47938	18.236	ug/l	99
10) Methyl Iodide	3.91	142	57411	16.774	ug/l	98
11) Tert butyl alcohol	4.73	59	46293	83.197	ug/l	99
12) 1,1-Dichloroethene	3.69	96	44812	16.830	ug/l	98
13) Acrolein	3.57	56	11928	57.846	ug/l	94
14) Allyl chloride	4.28	41	87294	16.574	ug/l	98
15) Acrylonitrile	4.93	53	122732	86.714	ug/l	96
16) Acetone	3.78	43	114542	88.735	ug/l	99
17) Carbon Disulfide	4.01	76	118595	15.312	ug/l	97
18) Methyl Acetate	4.28	43	62391	19.039	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	170653	17.196	ug/l	96
20) Methylene Chloride	4.50	84	56354	17.231	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	50550	17.135	ug/l	93
22) Diisopropyl ether	5.90	45	185520	17.271	ug/l	95
23) Vinyl Acetate	5.84	43	755812	85.676	ug/l	100
24) 1,1-Dichloroethane	5.80	63	102048	17.401	ug/l	98
25) 2-Butanone	6.78	43	176659	88.985	ug/l	97
26) 2,2-Dichloropropane	6.78	77	85537	16.566	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	57671	17.272	ug/l	97
28) Bromochloromethane	7.15	49	47529	17.553	ug/l	99
29) Tetrahydrofuran	7.17	42	118634	87.495	ug/l	98
30) Chloroform	7.33	83	104065	17.687	ug/l	94
31) Cyclohexane	7.61	56	85525	15.418	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	91831	17.548	ug/l	99
36) 1,1-Dichloropropene	7.75	75	74619	17.685	ug/l	99
37) Ethyl Acetate	6.88	43	75733	18.288	ug/l #	93
38) Carbon Tetrachloride	7.74	117	79711	18.507	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	73623	16.077	ug/l	98
40) Benzene	8.00	78	216308	17.959	ug/l	97
41) Methacrylonitrile	7.12	41	33072	17.757	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	91527	18.896	ug/l	100
43) Isopropyl Acetate	8.13	43	129391	17.474	ug/l	99
44) Trichloroethene	8.80	130	54288	18.583	ug/l	98
45) 1,2-Dichloropropane	9.08	63	59187	18.042	ug/l	97
46) Dibromomethane	9.17	93	40480	18.775	ug/l	96
47) Bromodichloromethane	9.37	83	83302	18.597	ug/l	99
48) Methyl methacrylate	9.17	41	63249	17.386	ug/l	98
49) 1,4-Dioxane	9.17	88	18119	347.058	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	390216	94.132	ug/l	99
52) Toluene	10.13	92	135442	18.703	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	87121	17.422	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	96952	18.381	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	55786	19.394	ug/l	98
56) Ethyl methacrylate	10.40	69	79683	17.745	ug/l	99
57) 1,3-Dichloropropane	10.68	76	95790	18.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	207239	87.977	ug/l	98
59) 2-Hexanone	10.72	43	278003	92.567	ug/l	98
60) Dibromochloromethane	10.87	129	60078	18.488	ug/l	98
61) 1,2-Dibromoethane	10.98	107	57189	19.137	ug/l	99
64) Tetrachloroethene	10.60	164	49452	19.660	ug/l	95
65) Chlorobenzene	11.41	112	142648	18.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	53721	18.690	ug/l	99
67) Ethyl Benzene	11.48	91	257443	17.434	ug/l	99
68) m/p-Xylenes	11.59	106	188807	35.462	ug/l	98
69) o-Xylene	11.92	106	91494	18.040	ug/l	99
70) Styrene	11.94	104	156665	18.420	ug/l	99
71) Bromoform	12.10	173	38072	17.780	ug/l #	98
73) Isopropylbenzene	12.23	105	244862	17.605	ug/l	99
74) N-amyl acetate	12.05	43	111909	16.998	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	79805	18.531	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	76197m	17.737	ug/l	
77) Bromobenzene	12.50	156	59007	18.860	ug/l	97
78) n-propylbenzene	12.57	91	286555	17.689	ug/l	100
79) 2-Chlorotoluene	12.65	91	173323	17.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	210695	18.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	25005	15.958	ug/l	98
82) 4-Chlorotoluene	12.75	91	184782	18.010	ug/l	99
83) tert-Butylbenzene	12.97	119	165467	17.286	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	209884	17.916	ug/l	99
85) sec-Butylbenzene	13.15	105	223003	17.404	ug/l	99
86) p-Isopropyltoluene	13.26	119	196400	17.379	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	106126	18.301	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	107685	18.265	ug/l	99
89) n-Butylbenzene	13.59	91	178455	17.131	ug/l	99
90) Hexachloroethane	13.85	117	33976	15.789	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	106332	18.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17077	16.653	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	57011	16.986	ug/l	99
94) Hexachlorobutadiene	14.98	225	27250	19.612	ug/l	97
95) Naphthalene	15.10	128	178888	16.133	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	55638	17.157	ug/l	99

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

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