

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060976.D
 Acq On : 15 Apr 2020 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:37 AM

Quant Time: Apr 16 07:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	136061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	232860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	214134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	96980	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.56	113	72425	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.08	98	286062	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.39	95	107506	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53273	40.465	ug/l	99
3) Chloromethane	2.04	50	100699	40.954	ug/l	99
4) Vinyl Chloride	2.17	62	81882	42.576	ug/l	99
5) Bromomethane	2.54	94	42780	51.529	ug/l	98
6) Chloroethane	2.68	64	53212	48.032	ug/l	97
7) Trichlorofluoromethane	3.00	101	111437	47.038	ug/l	100
8) Diethyl Ether	3.38	74	47932	50.364	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67300	49.026	ug/l	99
10) Methyl Iodide	3.93	142	47465	38.858	ug/l	99
11) Tert butyl alcohol	4.72	59	75742	275.731	ug/l	98
12) 1,1-Dichloroethene	3.72	96	67495	45.818	ug/l	98
13) Acrolein	3.57	56	86104	282.824	ug/l	99
14) Allyl chloride	4.29	41	128210	49.485	ug/l	95
15) Acrylonitrile	4.94	53	219257	271.436	ug/l	99
16) Acetone	3.78	43	174418	263.624	ug/l	100
17) Carbon Disulfide	4.03	76	177520	39.623	ug/l	99
18) Methyl Acetate	4.28	43	104869	56.312	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	252854	49.924	ug/l	99
20) Methylene Chloride	4.52	84	79428	48.802	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	73132	46.580	ug/l	96
22) Diisopropyl ether	5.91	45	294980	53.890	ug/l	96
23) Vinyl Acetate	5.86	43	1203986	269.581	ug/l	98
24) 1,1-Dichloroethane	5.81	63	153911	51.578	ug/l	99
25) 2-Butanone	6.80	43	290800	271.621	ug/l	98
26) 2,2-Dichloropropane	6.79	77	113626	48.397	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	87588	49.093	ug/l	98
28) Bromochloromethane	7.17	49	76426	53.532	ug/l	96
29) Tetrahydrofuran	7.18	42	197535	260.773	ug/l	98
30) Chloroform	7.34	83	145519	50.869	ug/l	100
31) Cyclohexane	7.63	56	133718	44.449	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	123350	50.018	ug/l	99
36) 1,1-Dichloropropene	7.77	75	109074	48.374	ug/l	99
37) Ethyl Acetate	6.89	43	124448	51.079	ug/l	99
38) Carbon Tetrachloride	7.75	117	97569	48.280	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	123114	45.946	ug/l	98
40) Benzene	8.02	78	331045	48.635	ug/l	100
41) Methacrylonitrile	7.14	41	54372m	52.292	ug/l	
42) 1,2-Dichloroethane	8.10	62	116305	49.998	ug/l	99
43) Isopropyl Acetate	8.14	43	209312	52.093	ug/l	99
44) Trichloroethene	8.81	130	80562	46.950	ug/l	98
45) 1,2-Dichloropropane	9.10	63	93363	51.982	ug/l	100
46) Dibromomethane	9.19	93	55173	50.812	ug/l	98
47) Bromodichloromethane	9.38	83	116146	51.475	ug/l	100
48) Methyl methacrylate	9.18	41	92624	51.776	ug/l	99
49) 1,4-Dioxane	9.18	88	24636	1158.593	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	621423	271.786	ug/l	99
52) Toluene	10.14	92	200250	48.713	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	131850	50.871	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	141168	49.648	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80730	51.047	ug/l	99
56) Ethyl methacrylate	10.42	69	130466	52.908	ug/l	99
57) 1,3-Dichloropropane	10.70	76	139142	50.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	299578	244.438	ug/l	99
59) 2-Hexanone	10.74	43	448004	272.005	ug/l	99
60) Dibromochloromethane	10.89	129	83392	51.048	ug/l	98
61) 1,2-Dibromoethane	10.99	107	80320	50.507	ug/l	99
64) Tetrachloroethene	10.62	164	71860	42.646	ug/l	99
65) Chlorobenzene	11.42	112	205224	48.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	77543	50.452	ug/l	97
67) Ethyl Benzene	11.50	91	387491	49.085	ug/l	100
68) m/p-Xylenes	11.61	106	283859	96.764	ug/l	98
69) o-Xylene	11.94	106	137259	49.014	ug/l	99
70) Styrene	11.96	104	229320	50.069	ug/l	99
71) Bromoform	12.12	173	60515	47.461	ug/l #	99
73) Isopropylbenzene	12.24	105	369606	47.264	ug/l	100
74) N-amyl acetate	12.06	43	179589	49.699	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	120423	50.922	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	104998m	46.697	ug/l	
77) Bromobenzene	12.52	156	88739	47.093	ug/l	98
78) n-propylbenzene	12.59	91	439791	47.602	ug/l	99
79) 2-Chlorotoluene	12.67	91	258622	46.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	312836	47.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	41470	47.368	ug/l	99
82) 4-Chlorotoluene	12.77	91	269709	47.972	ug/l	99
83) tert-Butylbenzene	12.99	119	264496	48.079	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	314348	47.880	ug/l	100
85) sec-Butylbenzene	13.17	105	362226	48.965	ug/l	99
86) p-Isopropyltoluene	13.28	119	319454	48.023	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	157583	47.416	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159680	47.822	ug/l	98
89) n-Butylbenzene	13.61	91	296537	49.374	ug/l	99
90) Hexachloroethane	13.87	117	52578	54.376	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	154934	48.754	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24620	49.703	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	95926	49.155	ug/l	100
94) Hexachlorobutadiene	15.01	225	46156	48.247	ug/l	99
95) Naphthalene	15.13	128	279626	47.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	90966	47.324	ug/l	99

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

