

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060271.D
 Acq On : 28 Feb 2020 9:29
 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
 3/2/2020 11:00:43 AM

Quant Time: Feb 29 00:43:20 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	235746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	374857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	347531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	140975	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	7.56	113	91665	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
50) Toluene-d8	10.08	98	424934	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	161643	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	105054	48.604	ug/l	98
3) Chloromethane	2.04	50	170008	45.177	ug/l	99
4) Vinyl Chloride	2.16	62	146214	45.305	ug/l	100
5) Bromomethane	2.54	94	60982	46.789	ug/l	96
6) Chloroethane	2.68	64	81257	46.470	ug/l	97
7) Trichlorofluoromethane	3.00	101	195786	47.482	ug/l	100
8) Diethyl Ether	3.38	74	74247	47.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113177	48.499	ug/l	100
10) Methyl Iodide	3.92	142	114328	53.681	ug/l	99
11) Tert butyl alcohol	4.72	59	106304	236.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	109216	48.220	ug/l	98
13) Acrolein	3.57	56	107119	255.660	ug/l	99
14) Allyl chloride	4.29	41	185925	44.523	ug/l	91
15) Acrylonitrile	4.94	53	290874	245.712	ug/l	99
16) Acetone	3.78	43	195832	200.493	ug/l	98
17) Carbon Disulfide	4.03	76	294711	49.020	ug/l	99
18) Methyl Acetate	4.28	43	147730	45.322	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	391862	47.654	ug/l	100
20) Methylene Chloride	4.52	84	125263	46.697	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	116561	47.883	ug/l	98
22) Diisopropyl ether	5.91	45	414222	48.970	ug/l	99
23) Vinyl Acetate	5.85	43	1675698	249.301	ug/l	100
24) 1,1-Dichloroethane	5.81	63	229205	47.869	ug/l	99
25) 2-Butanone	6.79	43	364212	230.852	ug/l	99
26) 2,2-Dichloropropane	6.79	77	213349	48.944	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	137490	44.202	ug/l	98
28) Bromochloromethane	7.17	49	90583	46.076	ug/l	100
29) Tetrahydrofuran	7.18	42	256034	233.376	ug/l	99
30) Chloroform	7.34	83	229242	48.094	ug/l	100
31) Cyclohexane	7.63	56	201961	49.411	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	204232	48.359	ug/l	99
36) 1,1-Dichloropropene	7.77	75	171947	48.130	ug/l	99
37) Ethyl Acetate	6.89	43	164783	48.712	ug/l	100
38) Carbon Tetrachloride	7.75	117	174134	50.063	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	207286	49.210	ug/l	99
40) Benzene	8.02	78	508247	48.878	ug/l	100
41) Methacrylonitrile	7.14	41	75479m	48.323	ug/l	
42) 1,2-Dichloroethane	8.10	62	184339	49.127	ug/l	99
43) Isopropyl Acetate	8.14	43	291037	49.144	ug/l	99
44) Trichloroethene	8.81	130	139540	48.184	ug/l	99
45) 1,2-Dichloropropane	9.10	63	135927	49.998	ug/l	99
46) Dibromomethane	9.19	93	85373	48.396	ug/l	98
47) Bromodichloromethane	9.38	83	182038	50.739	ug/l	98
48) Methyl methacrylate	9.18	41	130084	48.169	ug/l	99
49) 1,4-Dioxane	9.17	88	38048	1001.861	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	832242	247.858	ug/l	100
52) Toluene	10.14	92	321025	49.148	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	213945	48.666	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	226219	49.660	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	125513	47.784	ug/l	99
56) Ethyl methacrylate	10.42	69	193808	51.358	ug/l	99
57) 1,3-Dichloropropane	10.70	76	213002	49.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	535830	271.492	ug/l	100
59) 2-Hexanone	10.74	43	604305	245.121	ug/l	99
60) Dibromochloromethane	10.89	129	136739	51.189	ug/l	99
61) 1,2-Dibromoethane	10.99	107	128730	50.274	ug/l	98
64) Tetrachloroethene	10.62	164	144782	52.996	ug/l	99
65) Chlorobenzene	11.42	112	336620	47.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	129920	50.071	ug/l	99
67) Ethyl Benzene	11.50	91	630253	49.317	ug/l	99
68) m/p-Xylenes	11.61	106	470836	97.651	ug/l	99
69) o-Xylene	11.94	106	226081	49.171	ug/l	99
70) Styrene	11.96	104	377498	49.938	ug/l	99
71) Bromoform	12.12	173	95947	51.308	ug/l #	99
73) Isopropylbenzene	12.24	105	619806	49.207	ug/l	100
74) N-amyl acetate	12.06	43	263639	47.898	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164603	48.075	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	158098m	42.402	ug/l	
77) Bromobenzene	12.52	156	149771	48.507	ug/l	99
78) n-propylbenzene	12.59	91	724100	49.042	ug/l	100
79) 2-Chlorotoluene	12.67	91	419894	48.380	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	524727	49.478	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	67422	49.916	ug/l #	61
82) 4-Chlorotoluene	12.77	91	438894	47.998	ug/l	99
83) tert-Butylbenzene	12.99	119	445324	48.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	527540	49.283	ug/l	100
85) sec-Butylbenzene	13.17	105	606818	49.352	ug/l	99
86) p-Isopropyltoluene	13.28	119	557403	48.979	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	270361	50.963	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270317	51.250	ug/l	99
89) n-Butylbenzene	13.61	91	505194	48.358	ug/l	100
90) Hexachloroethane	13.87	117	85600	51.964	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	258643	47.806	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35475	45.753	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	172502	50.178	ug/l	99
94) Hexachlorobutadiene	15.01	225	83022	52.565	ug/l	99
95) Naphthalene	15.13	128	484808	47.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159164	49.158	ug/l	100

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

