

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056702.D
 Acq On : 15 Jul 2019 10:43
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:23 AM

Quant Time: Jul 16 01:23:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	518750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	473501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231375	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	541209	144.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.52%	
35) Dibromofluoromethane	7.59	113	480895	149.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.56%	
50) Toluene-d8	10.09	98	1870199	149.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.32%	
62) 4-Bromofluorobenzene	12.40	95	671148	160.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	449687	155.515	ug/l	99
3) Chloromethane	2.06	50	610356	154.544	ug/l	99
4) Vinyl Chloride	2.18	62	593552	155.718	ug/l	99
5) Bromomethane	2.52	94	347325m	156.682	ug/l	
6) Chloroethane	2.67	64	337090m	153.330	ug/l	
7) Trichlorofluoromethane	3.00	101	737798	149.782	ug/l	99
8) Diethyl Ether	3.41	74	313404	151.045	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	453834	145.209	ug/l	100
10) Methyl Iodide	3.95	142	676134	160.963	ug/l	100
11) Tert butyl alcohol	4.79	59	501283	794.052	ug/l	100
12) 1,1-Dichloroethene	3.73	96	466613	154.873	ug/l	99
13) Acrolein	3.60	56	167464	358.092	ug/l	96
14) Allyl chloride	4.32	41	839052	165.966	ug/l	99
15) Acrylonitrile	4.99	53	1391013	789.069	ug/l	99
16) Acetone	3.82	43	1192169	641.615	ug/l	100
17) Carbon Disulfide	4.05	76	1300170	184.932	ug/l	99
18) Methyl Acetate	4.32	43	577130	121.214	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1512449	152.062	ug/l	100
20) Methylene Chloride	4.55	84	537178	138.381	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	498009	153.063	ug/l	98
22) Diisopropyl ether	5.95	45	1618251	153.171	ug/l	98
23) Vinyl Acetate	5.89	43	6979124	837.123	ug/l	100
24) 1,1-Dichloroethane	5.85	63	922483	152.335	ug/l	100
25) 2-Butanone	6.84	43	1883749	755.643	ug/l	100
26) 2,2-Dichloropropane	6.82	77	683550	160.887	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	577188	152.110	ug/l	99
28) Bromochloromethane	7.19	49	427778	143.963	ug/l	99
29) Tetrahydrofuran	7.21	42	1239112	801.514	ug/l	98
30) Chloroform	7.37	83	885485	148.440	ug/l	98
31) Cyclohexane	7.65	56	870180	148.023	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	761017	160.467	ug/l	98
36) 1,1-Dichloropropene	7.79	75	709121	154.343	ug/l	99
37) Ethyl Acetate	6.93	43	732359	162.044	ug/l	99
38) Carbon Tetrachloride	7.77	117	662507	162.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	893366	157.076	ug/l	100
40) Benzene	8.04	78	2130638	150.669	ug/l	99
41) Methacrylonitrile	7.18	41	321320m	162.572	ug/l	
42) 1,2-Dichloroethane	8.12	62	675601	145.426	ug/l	100
43) Isopropyl Acetate	8.16	43	1177225	168.234	ug/l	99
44) Trichloroethene	8.83	130	579660	152.779	ug/l	98
45) 1,2-Dichloropropane	9.12	63	577706	152.865	ug/l	99
46) Dibromomethane	9.21	93	363805	154.034	ug/l	100
47) Bromodichloromethane	9.40	83	705292	166.894	ug/l	99
48) Methyl methacrylate	9.20	41	574050	163.416	ug/l	100
49) 1,4-Dioxane	9.20	88	233240	3224.553	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	3686726	815.915	ug/l	100
52) Toluene	10.15	92	1327857	153.737	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	812471	189.987	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	892871	175.911	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	530815	153.112	ug/l	99
56) Ethyl methacrylate	10.43	69	869771	170.420	ug/l	99
57) 1,3-Dichloropropane	10.71	76	896896	154.145	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2127598	1088.495	ug/l	99
59) 2-Hexanone	10.75	43	2778504	833.868	ug/l	99
60) Dibromochloromethane	10.90	129	579510	181.578	ug/l	99
61) 1,2-Dibromoethane	11.00	107	569631	160.889	ug/l	99
64) Tetrachloroethene	10.63	164	540290	142.775	ug/l	98
65) Chlorobenzene	11.43	112	1439686	151.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	536032	164.802	ug/l	99
67) Ethyl Benzene	11.51	91	2577788	153.780	ug/l	99
68) m/p-Xylenes	11.62	106	1940757	315.702	ug/l	99
69) o-Xylene	11.95	106	930010	152.947	ug/l	98
70) Styrene	11.96	104	1630711	167.634	ug/l	100
71) Bromoform	12.13	173	455552	197.516	ug/l #	99
73) Isopropylbenzene	12.25	105	2473921	122.202	ug/l	100
74) N-amyl acetate	12.07	43	1036159	140.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	789883	124.559	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	639695m	131.574	ug/l	
77) Bromobenzene	12.52	156	662866	129.006	ug/l	98
78) n-propylbenzene	12.59	91	2859691	135.159	ug/l	100
79) 2-Chlorotoluene	12.67	91	1674683	125.877	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2112913	127.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	272784	192.181	ug/l	93
82) 4-Chlorotoluene	12.77	91	1725629	138.246	ug/l	99
83) tert-Butylbenzene	12.99	119	1812406	120.399	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2132544	136.942	ug/l	100
85) sec-Butylbenzene	13.17	105	2410730	130.140	ug/l	100
86) p-Isopropyltoluene	13.29	119	2219394	139.089	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1148828	146.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1143118	149.933	ug/l	99
89) n-Butylbenzene	13.61	91	1960000	159.735	ug/l	99
90) Hexachloroethane	13.87	117	382075	152.366	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1128174	144.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	160925	184.294	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	736578	219.052	ug/l	99
94) Hexachlorobutadiene	15.01	225	379764	128.543	ug/l	100
95) Naphthalene	15.13	128	2049164	230.828	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	727894	203.223	ug/l	99

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

