

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055173.D
 Acq On : 22 Apr 2019 11:03
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:48 PM

Quant Time: Apr 23 05:14:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	463871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	736272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	281058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	591204	86.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.66%	
35) Dibromofluoromethane	7.59	113	474262	89.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.54%	
50) Toluene-d8	10.09	98	1802452	94.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.48%	
62) 4-Bromofluorobenzene	12.40	95	609865	101.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	616480	103.219	ug/l	99
3) Chloromethane	2.06	50	713120	97.441	ug/l	99
4) Vinyl Chloride	2.19	62	568151	96.883	ug/l	98
5) Bromomethane	2.55	94	309276	90.940	ug/l	98
6) Chloroethane	2.70	64	298184	94.036	ug/l	99
7) Trichlorofluoromethane	3.01	101	771380	96.660	ug/l	97
8) Diethyl Ether	3.41	74	285730	100.312	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	459138	92.200	ug/l	98
10) Methyl Iodide	3.95	142	729381	109.019	ug/l	100
11) Tert butyl alcohol	4.79	59	185696	515.543	ug/l	98
12) 1,1-Dichloroethene	3.74	96	462263	96.861	ug/l	98
13) Acrolein	3.61	56	284020	579.104	ug/l	100
14) Allyl chloride	4.32	41	936664	99.280	ug/l	99
15) Acrylonitrile	4.99	53	1006005	500.430	ug/l	99
16) Acetone	3.82	43	954518	459.878	ug/l	100
17) Carbon Disulfide	4.05	76	1387277	103.977	ug/l	100
18) Methyl Acetate	4.33	43	443250	77.377	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1309147	99.216	ug/l	99
20) Methylene Chloride	4.55	84	529801	88.789	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	487671	97.447	ug/l	96
22) Diisopropyl ether	5.95	45	1845407	98.128	ug/l	99
23) Vinyl Acetate	5.90	43	6828129	540.304	ug/l	100
24) 1,1-Dichloroethane	5.85	63	959355	94.840	ug/l	100
25) 2-Butanone	6.83	43	1318961	492.212	ug/l	99
26) 2,2-Dichloropropane	6.82	77	688179	100.534	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	552955	95.851	ug/l	98
28) Bromochloromethane	7.19	49	486069	94.266	ug/l	100
29) Tetrahydrofuran	7.21	42	826483	490.715	ug/l	100
30) Chloroform	7.37	83	899662	93.500	ug/l	98
31) Cyclohexane	7.65	56	931611	80.210	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	760531	98.384	ug/l	99
36) 1,1-Dichloropropene	7.79	75	712960	104.329	ug/l	100
37) Ethyl Acetate	6.93	43	549102	96.170	ug/l	98
38) Carbon Tetrachloride	7.77	117	655949	96.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	807700	99.073	ug/l	99
40) Benzene	8.04	78	2082255	98.707	ug/l	99
41) Methacrylonitrile	7.17	41	285481	101.419	ug/l	90
42) 1,2-Dichloroethane	8.12	62	711860	96.727	ug/l	100
43) Isopropyl Acetate	8.16	43	958572	107.334	ug/l	100
44) Trichloroethene	8.83	130	525544	98.567	ug/l	98
45) 1,2-Dichloropropane	9.12	63	584212	98.109	ug/l	98
46) Dibromomethane	9.21	93	328038	96.233	ug/l	99
47) Bromodichloromethane	9.40	83	706806	103.576	ug/l	98
48) Methyl methacrylate	9.20	41	463789	107.060	ug/l	98
49) 1,4-Dioxane	9.20	88	98306	1965.022	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2664170	518.422	ug/l	99
52) Toluene	10.16	92	1234336	99.811	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	726176	115.956	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	849384	109.294	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	450770	98.868	ug/l	99
56) Ethyl methacrylate	10.43	69	644984	113.559	ug/l	100
57) 1,3-Dichloropropane	10.71	76	800898	100.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1132577	618.491	ug/l	100
59) 2-Hexanone	10.75	43	1708812	526.431	ug/l	99
60) Dibromochloromethane	10.90	129	505640	107.671	ug/l	100
61) 1,2-Dibromoethane	11.00	107	452398	105.537	ug/l	100
64) Tetrachloroethene	10.63	164	478598	89.562	ug/l	98
65) Chlorobenzene	11.43	112	1270181	95.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	484947	97.862	ug/l	100
67) Ethyl Benzene	11.51	91	2345744	98.492	ug/l	100
68) m/p-Xylenes	11.62	106	1704786	199.575	ug/l	100
69) o-Xylene	11.95	106	829754	97.881	ug/l	99
70) Styrene	11.96	104	1401806	106.681	ug/l	99
71) Bromoform	12.13	173	328723	111.163	ug/l #	99
73) Isopropylbenzene	12.25	105	2194360	81.328	ug/l	100
74) N-amyl acetate	12.07	43	748494	103.294	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	553908	77.574	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	490867m	93.192	ug/l	
77) Bromobenzene	12.53	156	538865	86.847	ug/l	98
78) n-propylbenzene	12.59	91	2499838	88.690	ug/l	99
79) 2-Chlorotoluene	12.67	91	1498740	84.207	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1824967	86.738	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	152482	101.375	ug/l	95
82) 4-Chlorotoluene	12.77	91	1487534	90.839	ug/l	99
83) tert-Butylbenzene	12.99	119	1536690	81.641	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1807554	91.037	ug/l	97
85) sec-Butylbenzene	13.17	105	1993829	83.764	ug/l	99
86) p-Isopropyltoluene	13.29	119	1773110	90.417	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	904838	94.997	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	885891	95.527	ug/l	98
89) n-Butylbenzene	13.61	91	1519814	104.559	ug/l	99
90) Hexachloroethane	13.87	117	310280	89.214	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	873122	89.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83687	98.056	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	432554	125.240	ug/l	100
94) Hexachlorobutadiene	15.01	225	274897	78.511	ug/l	97
95) Naphthalene	15.13	128	960421	131.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	423984	117.997	ug/l	100

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

