

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053871.D
 Acq On : 20 Feb 2019 8:58
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:51:50 AM

Quant Time: Feb 21 03:21:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	840050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	373079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	36487	5.33	ug/l	0.00
Spiked Amount			Recovery	=	10.66%	
35) Dibromofluoromethane	7.59	113	35556	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.09	98	113385	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.40	95	35221	4.28	ug/l	0.00
Spiked Amount			Recovery	=	8.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	30803	5.295	ug/l	99
3) Chloromethane	2.06	50	38007	5.255	ug/l	98
4) Vinyl Chloride	2.19	62	44263	5.702	ug/l	98
5) Bromomethane	2.57	94	31828	5.598	ug/l	100
6) Chloroethane	2.71	64	27035	5.388	ug/l	92
7) Trichlorofluoromethane	3.02	101	59594	5.406	ug/l	99
8) Diethyl Ether	3.41	74	20871	5.386	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	37399	5.629	ug/l	97
10) Methyl Iodide	3.96	142	49403	5.014	ug/l	100
11) Tert butyl alcohol	4.79	59	10334	24.191	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	33207	5.344	ug/l	97
13) Acrolein	3.61	56	9024	29.556	ug/l	99
14) Allyl chloride	4.33	41	51497	5.476	ug/l	96
15) Acrylonitrile	4.99	53	57716	26.820	ug/l	99
16) Acetone	3.82	43	53926	28.654	ug/l	95
17) Carbon Disulfide	4.06	76	104175	5.413	ug/l	99
18) Methyl Acetate	4.33	43	24586	5.713	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	81587	5.175	ug/l	100
20) Methylene Chloride	4.55	84	40212	5.707	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	35662	5.468	ug/l	97
22) Diisopropyl ether	5.95	45	89984	5.133	ug/l	95
23) Vinyl Acetate	5.90	43	308300	24.782	ug/l	99
24) 1,1-Dichloroethane	5.85	63	65095	5.485	ug/l	97
25) 2-Butanone	6.84	43	65000	26.766	ug/l	99
26) 2,2-Dichloropropane	6.82	77	47727	5.299	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	39016	5.341	ug/l	97
28) Bromochloromethane	7.20	49	28052	5.415	ug/l	100
29) Tetrahydrofuran	7.21	42	40336	25.683	ug/l	98
30) Chloroform	7.37	83	67190	5.634	ug/l	99
31) Cyclohexane	7.65	56	62965	5.087	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	55130	5.403	ug/l	98
36) 1,1-Dichloropropene	7.79	75	50651	5.256	ug/l	94
37) Ethyl Acetate	6.93	43	26727	5.025	ug/l #	79
38) Carbon Tetrachloride	7.77	117	51019	4.953	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	53230	4.793	ug/l	96
40) Benzene	8.04	78	148227	5.203	ug/l	99
41) Methacrylonitrile	7.18	41	15201m	4.477	ug/l	
42) 1,2-Dichloroethane	8.12	62	45395	5.345	ug/l	97
43) Isopropyl Acetate	8.17	43	52372	5.095	ug/l	95
44) Trichloroethene	8.83	130	41770	5.237	ug/l	96
45) 1,2-Dichloropropane	9.12	63	37485	5.154	ug/l	94
46) Dibromomethane	9.21	93	22613	5.163	ug/l	99
47) Bromodichloromethane	9.40	83	46076	4.987	ug/l	98
48) Methyl methacrylate	9.20	41	19527	4.131	ug/l	94
49) 1,4-Dioxane	9.20	88	6674	102.386	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	104300	21.827	ug/l	98
52) Toluene	10.16	92	81979	4.856	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	40339	4.496	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	49128	4.646	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	30757	4.983	ug/l	97
56) Ethyl methacrylate	10.43	69	29470	4.241	ug/l	94
57) 1,3-Dichloropropane	10.71	76	50161	4.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	65046	21.368	ug/l	99
59) 2-Hexanone	10.75	43	71837	22.274	ug/l	97
60) Dibromochloromethane	10.90	129	33764	4.687	ug/l	98
61) 1,2-Dibromoethane	11.00	107	28621	4.668	ug/l	99
64) Tetrachloroethene	10.63	164	40453	5.385	ug/l	99
65) Chlorobenzene	11.43	112	90969	5.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	34428	5.366	ug/l	99
67) Ethyl Benzene	11.51	91	146202	5.138	ug/l	99
68) m/p-Xylenes	11.62	106	111662	10.134	ug/l	99
69) o-Xylene	11.95	106	54286	5.118	ug/l	99
70) Styrene	11.96	104	81989	4.926	ug/l	98
71) Bromoform	12.13	173	22911	5.032	ug/l #	100
73) Isopropylbenzene	12.25	105	144552	5.500	ug/l	100
74) N-amyl acetate	12.07	43	28835	4.777	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	33644	5.414	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	29220m	5.996	ug/l	
77) Bromobenzene	12.53	156	37483	5.316	ug/l	98
78) n-propylbenzene	12.59	91	154008	5.240	ug/l	99
79) 2-Chlorotoluene	12.67	91	94935	5.357	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	119754	5.489	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	7938	4.785	ug/l	91
82) 4-Chlorotoluene	12.77	91	93821	5.314	ug/l	97
83) tert-Butylbenzene	12.99	119	109700	5.600	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	117008	5.347	ug/l	100
85) sec-Butylbenzene	13.17	105	145706	5.524	ug/l	99
86) p-Isopropyltoluene	13.29	119	120629	5.270	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	64059	5.207	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	63067	5.095	ug/l	95
89) n-Butylbenzene	13.61	91	94051	4.996	ug/l	99
90) Hexachloroethane	13.87	117	24103	5.512	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	63211	5.237	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4930	5.437	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	24745	3.995	ug/l	97
94) Hexachlorobutadiene	15.01	225	28830	5.727	ug/l	95
95) Naphthalene	15.13	128	38223	3.304	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	24937	4.149	ug/l	98

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

