

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049865.D
 Acq On : 18 Jul 2018 11:09
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:54 PM

Quant Time: Jul 18 12:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	588663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	787497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410615	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	168802	21.41	ug/l	0.00
Spiked Amount			Recovery	=	42.82%	
35) Dibromofluoromethane	7.59	113	151826	22.13	ug/l	0.00
Spiked Amount			Recovery	=	44.26%	
50) Toluene-d8	10.09	98	539308	21.40	ug/l	0.00
Spiked Amount			Recovery	=	42.80%	
62) 4-Bromofluorobenzene	12.40	95	175158	20.76	ug/l	0.00
Spiked Amount			Recovery	=	41.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	114701	18.92	ug/l	97
3) Chloromethane	2.06	50	151468	19.41	ug/l	98
4) Vinyl Chloride	2.18	62	166792	19.81	ug/l	100
5) Bromomethane	2.57	94	103768	19.49	ug/l	98
6) Chloroethane	2.70	64	108175	20.24	ug/l	100
7) Trichlorofluoromethane	3.01	101	229944	20.31	ug/l	98
8) Diethyl Ether	3.41	74	81536	20.15	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141791	20.87	ug/l	98
10) Methyl Iodide	3.95	142	191956	22.58	ug/l	97
11) Tert butyl alcohol	4.80	59	55849	89.20	ug/l	100
12) 1,1-Dichloroethene	3.73	96	124927	20.34	ug/l	98
13) Acrolein	3.61	56	38772	79.86	ug/l	99
14) Allyl chloride	4.32	41	192112	19.71	ug/l	97
15) Acrylonitrile	4.99	53	255961	97.17	ug/l	99
16) Acetone	3.82	43	195639	89.09	ug/l	98
17) Carbon Disulfide	4.05	76	362728	19.41	ug/l	99
18) Methyl Acetate	4.33	43	137494	16.73	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	357144	20.82	ug/l	98
20) Methylene Chloride	4.55	84	150756	19.93	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	135109	20.81	ug/l	99
22) Diisopropyl ether	5.96	45	434906	22.31	ug/l	99
23) Vinyl Acetate	5.90	43	1466861	102.33	ug/l	99
24) 1,1-Dichloroethane	5.85	63	264137	21.14	ug/l	99
25) 2-Butanone	6.84	43	295884	91.16	ug/l	100
26) 2,2-Dichloropropane	6.83	77	197681	20.79	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	151673	20.84	ug/l	98
28) Bromochloromethane	7.20	49	122861	21.19	ug/l	100
29) Tetrahydrofuran	7.22	42	194034	94.02	ug/l	99
30) Chloroform	7.37	83	273815	21.24	ug/l	99
31) Cyclohexane	7.65	56	214026	18.02	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	229146	20.92	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193318	21.12	ug/l	99
37) Ethyl Acetate	6.93	43	133980	19.63	ug/l	98
38) Carbon Tetrachloride	7.77	117	207541	21.52	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	189251	20.07	ug/l	96
40) Benzene	8.04	78	597813	21.54	ug/l	99
41) Methacrylonitrile	7.18	41	61233	17.47	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	199498	21.14	ug/l	100
43) Isopropyl Acetate	8.17	43	243434	20.96	ug/l #	88
44) Trichloroethene	8.84	130	156279	21.41	ug/l	99
45) 1,2-Dichloropropane	9.12	63	158608	21.46	ug/l	100
46) Dibromomethane	9.21	93	97687	20.71	ug/l	99
47) Bromodichloromethane	9.40	83	208755	21.78	ug/l	97
48) Methyl methacrylate	9.20	41	114529	19.88	ug/l	98
49) 1,4-Dioxane	9.20	88	32856	376.30	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	685526	100.33	ug/l	98
52) Toluene	10.16	92	365129	21.96	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	197521	21.11	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	222849	21.22	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	145168	21.27	ug/l	98
56) Ethyl methacrylate	10.43	69	168946	20.44	ug/l	98
57) 1,3-Dichloropropane	10.71	76	231276	20.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	402309	103.12	ug/l	99
59) 2-Hexanone	10.75	43	451839	96.46	ug/l	97
60) Dibromochloromethane	10.90	129	160563	21.13	ug/l	100
61) 1,2-Dibromoethane	11.01	107	137450	20.55	ug/l	100
64) Tetrachloroethene	10.63	164	146605	21.89	ug/l	97
65) Chlorobenzene	11.43	112	401784	21.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155898	21.75	ug/l	99
67) Ethyl Benzene	11.51	91	654079	21.79	ug/l	98
68) m/p-Xylenes	11.62	106	521117	45.76	ug/l	97
69) o-Xylene	11.95	106	244777	22.54	ug/l	96
70) Styrene	11.96	104	400673	22.76	ug/l	100
71) Bromoform	12.13	173	111294	20.16	ug/l #	100
73) Isopropylbenzene	12.25	105	651683	21.92	ug/l	100
74) N-amyl acetate	12.07	43	195400	19.89	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	184326	19.33	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	154518m	19.23	ug/l	
77) Bromobenzene	12.53	156	171796	21.08	ug/l	97
78) n-propylbenzene	12.59	91	741415	22.16	ug/l	100
79) 2-Chlorotoluene	12.67	91	455576	22.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	538401	23.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47293	19.26	ug/l	96
82) 4-Chlorotoluene	12.77	91	460588	22.57	ug/l	99
83) tert-Butylbenzene	12.99	119	447338	21.90	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	546477	23.00	ug/l	99
85) sec-Butylbenzene	13.17	105	621014	22.60	ug/l	99
86) p-Isopropyltoluene	13.29	119	528573	22.75	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	302238	21.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298645	21.70	ug/l	100
89) n-Butylbenzene	13.62	91	408227	21.43	ug/l	99
90) Hexachloroethane	13.88	117	104864	20.10	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	301990	21.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28064	17.56	ug/l	99

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93) 1,2,4-Trichlorobenzene	14.91	180	136684	21.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	91974	20.67	ug/l	97
95) Naphthalene	15.14	128	285279	18.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	140159	20.90	ug/l	100

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

