

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055035.D
 Acq On : 15 Apr 2019 9:50
 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
 4/17/2019 1:48:49 PM

Quant Time: Apr 15 12:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	416516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	668986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196019	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	28225	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	
35) Dibromofluoromethane	7.59	113	23024	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	
50) Toluene-d8	10.09	98	77218	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.40	95	23664	4.49	ug/l	0.00
Spiked Amount			Recovery	=	8.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	23346	5.082	ug/l	96
3) Chloromethane	2.06	50	30422	4.938	ug/l	97
4) Vinyl Chloride	2.19	62	26519	5.304	ug/l	96
5) Bromomethane	2.55	94	15296	5.285	ug/l	95
6) Chloroethane	2.70	64	13834	5.018	ug/l	92
7) Trichlorofluoromethane	3.02	101	32584	5.196	ug/l	95
8) Diethyl Ether	3.41	74	10419	5.283	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	17665	5.401	ug/l #	69
10) Methyl Iodide	3.94	142	23574	4.997	ug/l	98
11) Tert butyl alcohol	4.82	59	7737	24.055	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	17247	5.356	ug/l	94
13) Acrolein	3.60	56	11420	29.415	ug/l	93
14) Allyl chloride	4.31	41	38873	4.940	ug/l	98
15) Acrylonitrile	4.99	53	44260	24.949	ug/l	99
16) Acetone	3.82	43	38406	26.747	ug/l	98
17) Carbon Disulfide	4.04	76	51500	4.910	ug/l	98
18) Methyl Acetate	4.33	43	22605	5.079	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	55910	4.859	ug/l	97
20) Methylene Chloride	4.54	84	26834	5.100	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	22752	5.363	ug/l	93
22) Diisopropyl ether	5.95	45	81049	5.080	ug/l	90
23) Vinyl Acetate	5.90	43	248783	22.296	ug/l	100
24) 1,1-Dichloroethane	5.84	63	44598	5.176	ug/l	98
25) 2-Butanone	6.85	43	53771	24.314	ug/l	97
26) 2,2-Dichloropropane	6.82	77	27947	4.903	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	24725	5.017	ug/l	98
28) Bromochloromethane	7.19	49	21534	5.268	ug/l	98
29) Tetrahydrofuran	7.22	42	32975	22.745	ug/l	96
30) Chloroform	7.37	83	42902	5.221	ug/l	96
31) Cyclohexane	7.65	56	46222	4.875	ug/l #	84
32) 1,1,1-Trichloroethane	7.57	97	33679	5.145	ug/l	98
36) 1,1-Dichloropropene	7.79	75	29728	4.808	ug/l	99
37) Ethyl Acetate	6.94	43	22354	4.816	ug/l #	80
38) Carbon Tetrachloride	7.77	117	29313	5.037	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	34924	4.934	ug/l	96
40) Benzene	8.04	78	96292	5.151	ug/l	97
41) Methacrylonitrile	7.18	41	13669	4.786	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	31730	4.825	ug/l	99
43) Isopropyl Acetate	8.17	43	36968	4.658	ug/l	99
44) Trichloroethene	8.83	130	24071	5.039	ug/l	90
45) 1,2-Dichloropropane	9.12	63	25658	4.864	ug/l	90
46) Dibromomethane	9.21	93	14974	4.954	ug/l	98
47) Bromodichloromethane	9.40	83	29802	4.849	ug/l	94
48) Methyl methacrylate	9.20	41	17797	4.353	ug/l	97
49) 1,4-Dioxane	9.20	88	3880	88.243	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	105554	22.714	ug/l	98
52) Toluene	10.15	92	54100	4.894	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	23790	4.274	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	30990	4.520	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	20667	5.018	ug/l	95
56) Ethyl methacrylate	10.43	69	22898	4.321	ug/l	94
57) 1,3-Dichloropropane	10.71	76	34972	4.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	40515	19.540	ug/l	95
59) 2-Hexanone	10.75	43	64209	22.111	ug/l	98
60) Dibromochloromethane	10.90	129	18506	4.515	ug/l	100
61) 1,2-Dibromoethane	11.00	107	18178	4.610	ug/l	98
64) Tetrachloroethene	10.63	164	23096	5.258	ug/l	97
65) Chlorobenzene	11.43	112	56267	5.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	20561	5.153	ug/l	95
67) Ethyl Benzene	11.51	91	102995	5.179	ug/l	98
68) m/p-Xylenes	11.62	106	71961	9.890	ug/l	99
69) o-Xylene	11.95	106	34944	4.854	ug/l	97
70) Styrene	11.96	104	53444	4.682	ug/l	97
71) Bromoform	12.13	173	10580	4.389	ug/l #	93
73) Isopropylbenzene	12.25	105	94496	5.670	ug/l	99
74) N-amyl acetate	12.07	43	23636	4.705	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	24433	5.662	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	17888m	4.960	ug/l	
77) Bromobenzene	12.53	156	23147	5.654	ug/l	97
78) n-propylbenzene	12.59	91	96788	5.330	ug/l	99
79) 2-Chlorotoluene	12.67	91	63321	5.645	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	74142	5.465	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4279	4.897	ug/l	88
82) 4-Chlorotoluene	12.77	91	57593	5.309	ug/l	100
83) tert-Butylbenzene	12.99	119	63495	5.463	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	68921	5.298	ug/l	98
85) sec-Butylbenzene	13.17	105	78780	5.309	ug/l	99
86) p-Isopropyltoluene	13.29	119	65786	5.096	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	33513	5.034	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	31455	4.940	ug/l	95
89) n-Butylbenzene	13.61	91	47095	4.645	ug/l	99
90) Hexachloroethane	13.87	117	10929	5.124	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	33752	5.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2873	5.120	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10320	3.792	ug/l	92
94) Hexachlorobutadiene	15.01	225	10999	4.883	ug/l	95
95) Naphthalene	15.14	128	20990	3.295	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	10130	3.474	ug/l	97

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

