

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056698.D
 Acq On : 15 Jul 2019 9:10
 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
 7/17/2019 1:31:15 AM

Quant Time: Jul 16 01:16:38 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	7.67	168	333291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	18307	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
35) Dibromofluoromethane	7.59	113	15029	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	
50) Toluene-d8	10.09	98	56991	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
62) 4-Bromofluorobenzene	12.40	95	17434	4.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	16482	5.812	ug/l	98
3) Chloromethane	2.06	50	21001	5.422	ug/l	100
4) Vinyl Chloride	2.19	62	20164	5.394	ug/l	97
5) Bromomethane	2.55	94	12867	5.918	ug/l	97
6) Chloroethane	2.69	64	12249	5.681	ug/l	92
7) Trichlorofluoromethane	3.01	101	26962	5.581	ug/l	96
8) Diethyl Ether	3.41	74	9862	4.846	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	15767	5.144	ug/l	99
10) Methyl Iodide	3.95	142	17957	4.359	ug/l	99
11) Tert butyl alcohol	4.80	59	13964	22.553	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	15482	5.239	ug/l	99
13) Acrolein	3.61	56	7611	16.593	ug/l	92
14) Allyl chloride	4.32	41	25888	5.221	ug/l	99
15) Acrylonitrile	5.00	53	41988	24.284	ug/l	98
16) Acetone	3.82	43	40908	22.447	ug/l	98
17) Carbon Disulfide	4.05	76	38988	5.654	ug/l	98
18) Methyl Acetate	4.33	43	25488	5.458	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	47748	4.895	ug/l	98
20) Methylene Chloride	4.55	84	18342	4.818	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	16551	5.187	ug/l	95
22) Diisopropyl ether	5.96	45	52117	5.030	ug/l	91
23) Vinyl Acetate	5.90	43	193321	23.642	ug/l	99
24) 1,1-Dichloroethane	5.85	63	30661	5.162	ug/l	99
25) 2-Butanone	6.84	43	60663	24.811	ug/l	98
26) 2,2-Dichloropropane	6.82	77	21777	5.226	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	19152	5.146	ug/l	98
28) Bromochloromethane	7.20	49	14934	5.124	ug/l #	98
29) Tetrahydrofuran	7.22	42	39632	26.138	ug/l	96
30) Chloroform	7.37	83	31264	5.344	ug/l	99
31) Cyclohexane	7.66	56	31781	5.512	ug/l #	72
32) 1,1,1-Trichloroethane	7.57	97	23272	5.003	ug/l	97
36) 1,1-Dichloropropene	7.80	75	23155	5.156	ug/l	99
37) Ethyl Acetate	6.93	43	20052	4.539	ug/l #	90
38) Carbon Tetrachloride	7.77	117	21448	5.392	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28122	5.058	ug/l	96
40) Benzene	8.04	78	72140	5.219	ug/l	98
41) Methacrylonitrile	7.18	41	9446m	4.889	ug/l	
42) 1,2-Dichloroethane	8.12	62	23155	5.099	ug/l	99
43) Isopropyl Acetate	8.17	43	34873	5.098	ug/l #	91
44) Trichloroethene	8.84	130	19504	5.259	ug/l	97
45) 1,2-Dichloropropane	9.12	63	18753	5.076	ug/l	96
46) Dibromomethane	9.21	93	11303	4.896	ug/l	96
47) Bromodichloromethane	9.40	83	21389	5.178	ug/l	97
48) Methyl methacrylate	9.20	41	16141	4.701	ug/l	96
49) 1,4-Dioxane	9.20	88	6998	98.973	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	111737	25.298	ug/l	100
52) Toluene	10.15	92	42005	4.975	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	20504	4.905	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	25142	5.067	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	17706	5.225	ug/l	98
56) Ethyl methacrylate	10.43	69	23137	4.638	ug/l	99
57) 1,3-Dichloropropane	10.71	76	28730	5.051	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	57752	30.226	ug/l	99
59) 2-Hexanone	10.75	43	78168	23.999	ug/l	99
60) Dibromochloromethane	10.90	129	16001	5.129	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16965	4.902	ug/l	98
64) Tetrachloroethene	10.63	164	20052	5.804	ug/l	99
65) Chlorobenzene	11.43	112	42759	4.917	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	15581	5.247	ug/l	96
67) Ethyl Benzene	11.51	91	75936	4.962	ug/l	99
68) m/p-Xylenes	11.62	106	55920	9.964	ug/l	97
69) o-Xylene	11.95	106	27997	5.043	ug/l	98
70) Styrene	11.96	104	42316	4.765	ug/l	99
71) Bromoform	12.12	173	11227	5.332	ug/l #	97
73) Isopropylbenzene	12.25	105	71160	4.993	ug/l	99
74) N-amyl acetate	12.07	43	24074	4.646	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	23771	5.325	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	21247m	6.208	ug/l	
77) Bromobenzene	12.53	156	17826	4.928	ug/l	97
78) n-propylbenzene	12.59	91	76799	5.156	ug/l	97
79) 2-Chlorotoluene	12.67	91	47844	5.108	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	58946	5.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4957	4.961	ug/l #	83
82) 4-Chlorotoluene	12.77	91	43069	4.901	ug/l	99
83) tert-Butylbenzene	12.99	119	52899	4.992	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	57120	5.210	ug/l	99
85) sec-Butylbenzene	13.17	105	67207	5.154	ug/l	100
86) p-Isopropyltoluene	13.28	119	59439	5.291	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28742	5.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	26254	4.892	ug/l	95
89) n-Butylbenzene	13.61	91	43937	5.086	ug/l	98
90) Hexachloroethane	13.87	117	8662	4.907	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	28683	5.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3279	5.334	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	9407	3.974	ug/l	97
94) Hexachlorobutadiene	15.01	225	11234	5.401	ug/l	99
95) Naphthalene	15.13	128	23622	3.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11067	4.389	ug/l	98

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

