

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059689.D
 Acq On : 13 Jan 2020 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 10:59:45 AM

Quant Time: Jan 14 08:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	260514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	40958	14.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.86%	
35) Dibromofluoromethane	7.57	113	34264	18.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.50%	
50) Toluene-d8	10.08	98	134074	18.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.06%	
62) 4-Bromofluorobenzene	12.40	95	46555	17.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44278	18.181	ug/l	99
3) Chloromethane	2.04	50	43840	11.343	ug/l	98
4) Vinyl Chloride	2.17	62	51414	14.028	ug/l	96
5) Bromomethane	2.55	94	29047	13.633	ug/l	100
6) Chloroethane	2.68	64	23318	11.320	ug/l	97
7) Trichlorofluoromethane	3.00	101	58860	14.637	ug/l	98
8) Diethyl Ether	3.38	74	20441	16.269	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32241	15.910	ug/l	93
10) Methyl Iodide	3.93	142	50203	18.713	ug/l	94
11) Tert butyl alcohol	4.73	59	34270	68.158	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32935	16.660	ug/l	89
13) Acrolein	3.58	56	23627	65.967	ug/l	100
14) Allyl chloride	4.30	41	44915	11.068	ug/l #	85
15) Acrylonitrile	4.95	53	79667	65.504	ug/l	99
16) Acetone	3.78	43	69825	42.883	ug/l	93
17) Carbon Disulfide	4.03	76	95751	14.106	ug/l	100
18) Methyl Acetate	4.29	43	47152	13.820	ug/l	93
19) Methyl tert-butyl Ether	5.01	73	110280	15.800	ug/l	96
20) Methylene Chloride	4.52	84	36985	15.727	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	35865	16.274	ug/l	91
22) Diisopropyl ether	5.92	45	103778	13.871	ug/l	96
23) Vinyl Acetate	5.86	43	383287	65.282	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	63533	14.991	ug/l	98
25) 2-Butanone	6.80	43	110072	56.531	ug/l	93
26) 2,2-Dichloropropane	6.80	77	60022	15.583	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	41568	17.022	ug/l	88
28) Bromochloromethane	7.17	49	24233	16.675	ug/l #	75
29) Tetrahydrofuran	7.18	42	72157	60.823	ug/l	90
30) Chloroform	7.35	83	64732	15.517	ug/l	100
31) Cyclohexane	7.63	56	59861	14.949	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	60161	15.996	ug/l	96
36) 1,1-Dichloropropene	7.77	75	48464	15.913	ug/l	94
37) Ethyl Acetate	6.90	43	45462	12.843	ug/l	96
38) Carbon Tetrachloride	7.75	117	53982	17.082	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	60443	17.497	ug/l	92
40) Benzene	8.02	78	146447	16.454	ug/l	99
41) Methacrylonitrile	7.15	41	19855m	13.592	ug/l	
42) 1,2-Dichloroethane	8.10	62	49893	14.638	ug/l	96
43) Isopropyl Acetate	8.14	43	78004	14.174	ug/l #	95
44) Trichloroethene	8.82	130	41302	17.717	ug/l	92
45) 1,2-Dichloropropane	9.10	63	36722	15.279	ug/l	97
46) Dibromomethane	9.19	93	26233	16.660	ug/l	90
47) Bromodichloromethane	9.39	83	51264	16.330	ug/l	99
48) Methyl methacrylate	9.18	41	35382	14.171	ug/l	92
49) 1,4-Dioxane	9.18	88	13092	365.891	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	230761	70.328	ug/l	95
52) Toluene	10.14	92	93443	17.087	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58110	16.005	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	62189	16.295	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	37062	17.271	ug/l	96
56) Ethyl methacrylate	10.42	69	57125	17.932	ug/l	90
57) 1,3-Dichloropropane	10.70	76	60080	16.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	87071	85.939	ug/l	91
59) 2-Hexanone	10.74	43	174408	67.443	ug/l	94
60) Dibromochloromethane	10.89	129	41905	17.892	ug/l	98
61) 1,2-Dibromoethane	10.99	107	39295	17.266	ug/l	98
64) Tetrachloroethene	10.62	164	42532	17.514	ug/l	95
65) Chlorobenzene	11.43	112	99956	17.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38954	18.194	ug/l	97
67) Ethyl Benzene	11.50	91	181241	17.813	ug/l	96
68) m/p-Xylenes	11.62	106	137876	36.696	ug/l	94
69) o-Xylene	11.94	106	67029	18.749	ug/l	94
70) Styrene	11.96	104	111243	19.367	ug/l	97
71) Bromoform	12.12	173	30484	18.941	ug/l #	97
73) Isopropylbenzene	12.24	105	179532	18.488	ug/l	98
74) N-amyl acetate	12.07	43	68463	15.370	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	51999	16.881	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	42558m	13.897	ug/l	
77) Bromobenzene	12.52	156	45179	18.918	ug/l	81
78) n-propylbenzene	12.59	91	201475	17.552	ug/l	97
79) 2-Chlorotoluene	12.67	91	117318	16.902	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148773	18.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18753	15.125	ug/l	93
82) 4-Chlorotoluene	12.77	91	118920	16.733	ug/l	96
83) tert-Butylbenzene	12.99	119	128915	18.524	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	149345	18.277	ug/l	100
85) sec-Butylbenzene	13.17	105	170198	18.385	ug/l	99
86) p-Isopropyltoluene	13.28	119	157808	18.822	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78336	17.839	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76591	17.299	ug/l	98
89) n-Butylbenzene	13.61	91	132976	16.917	ug/l	99
90) Hexachloroethane	13.87	117	29144	18.389	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	78468	18.119	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11831	13.044	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47703	17.058	ug/l	99
94) Hexachlorobutadiene	15.01	225	26330	17.582	ug/l	98
95) Naphthalene	15.13	128	134020	16.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46342	16.384	ug/l	99

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

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