

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049262.D
 Acq On : 15 Jun 2018 14:53
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:11 PM

Quant Time: Jun 15 15:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 15:46:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1481510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2186398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1972217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	937142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	394856	16.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.02%	
35) Dibromofluoromethane	7.59	113	350038	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
50) Toluene-d8	10.09	98	1326974	18.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.70%	
62) 4-Bromofluorobenzene	12.40	95	418778	17.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	325879	15.27	ug/l	98
3) Chloromethane	2.06	50	409474	18.78	ug/l	98
4) Vinyl Chloride	2.18	62	434452	19.43	ug/l	98
5) Bromomethane	2.57	94	217193	16.11	ug/l	100
6) Chloroethane	2.71	64	268325	17.77	ug/l	96
7) Trichlorofluoromethane	3.02	101	562299	17.86	ug/l	100
8) Diethyl Ether	3.41	74	195845	16.75	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	355681	17.45	ug/l	93
10) Methyl Iodide	3.95	142	361425	18.24	ug/l	91
11) Tert butyl alcohol	4.80	59	105274	80.73	ug/l	97
12) 1,1-Dichloroethene	3.73	96	324602	17.54	ug/l	89
13) Acrolein	3.61	56	129379	72.87	ug/l	96
14) Allyl chloride	4.32	41	505359	14.54	ug/l	88
15) Acrylonitrile	4.99	53	553307	78.84	ug/l	99
16) Acetone	3.82	43	451599	79.01	ug/l	# 89
17) Carbon Disulfide	4.05	76	964349	15.28	ug/l	99
18) Methyl Acetate	4.33	43	276699	11.51	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	831456	16.49	ug/l	99
20) Methylene Chloride	4.55	84	378622	16.31	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	340827	16.61	ug/l	91
22) Diisopropyl ether	5.96	45	1054019	15.20	ug/l	98
23) Vinyl Acetate	5.90	43	3354630	73.17	ug/l	95
24) 1,1-Dichloroethane	5.85	63	656960	15.89	ug/l	99
25) 2-Butanone	6.84	43	610357	74.57	ug/l	96
26) 2,2-Dichloropropane	6.82	77	535440	17.27	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	382407	17.12	ug/l	93
28) Bromochloromethane	7.19	49	299562	15.27	ug/l	84
29) Tetrahydrofuran	7.22	42	393936	74.81	ug/l	95
30) Chloroform	7.37	83	657033	16.54	ug/l	99
31) Cyclohexane	7.65	56	570732	13.82	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	566790	16.57	ug/l	97
36) 1,1-Dichloropropene	7.79	75	489865	17.93	ug/l	98
37) Ethyl Acetate	6.93	43	277154	16.07	ug/l	98
38) Carbon Tetrachloride	7.77	117	506913	18.42	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	512622	18.17	ug/l	96
40) Benzene	8.04	78	1504341	18.18	ug/l	99
41) Methacrylonitrile	7.18	41	156334	16.02	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	459900	16.84	ug/l	96
43) Isopropyl Acetate	8.17	43	495544	15.63	ug/l	94
44) Trichloroethene	8.84	130	397840	19.25	ug/l	93
45) 1,2-Dichloropropane	9.12	63	396232	17.41	ug/l	100
46) Dibromomethane	9.21	93	228128	18.14	ug/l	90
47) Bromodichloromethane	9.40	83	497428	17.56	ug/l	96
48) Methyl methacrylate	9.20	41	240897	15.55	ug/l	87
49) 1,4-Dioxane	9.20	88	63862	349.06	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1337451	79.21	ug/l	94
52) Toluene	10.16	92	909057	18.88	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	471730	17.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	558409	17.89	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	333536	18.87	ug/l	98
56) Ethyl methacrylate	10.43	69	372142	17.47	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	549297	18.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	547454	79.31	ug/l	95
59) 2-Hexanone	10.75	43	839172	79.76	ug/l	93
60) Dibromochloromethane	10.90	129	364700	18.61	ug/l	100
61) 1,2-Dibromoethane	11.01	107	301333	18.44	ug/l	98
64) Tetrachloroethene	10.63	164	405603	20.53	ug/l	97
65) Chlorobenzene	11.44	112	983215	19.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	371756	19.21	ug/l	99
67) Ethyl Benzene	11.51	91	1650177	18.80	ug/l	98
68) m/p-Xylenes	11.62	106	1277126	39.79	ug/l	97
69) o-Xylene	11.95	106	609483	19.72	ug/l	95
70) Styrene	11.97	104	965743	19.73	ug/l	98
71) Bromoform	12.13	173	238378	19.71	ug/l #	98
73) Isopropylbenzene	12.25	105	1620018	18.00	ug/l	98
74) N-amyl acetate	12.07	43	363518	14.18	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	379718	16.53	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	330736m	18.09	ug/l	
77) Bromobenzene	12.53	156	402315	18.21	ug/l	91
78) n-propylbenzene	12.59	91	1801512	18.02	ug/l	99
79) 2-Chlorotoluene	12.68	91	1118142	17.73	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1328366	19.25	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	93675	16.70	ug/l	94
82) 4-Chlorotoluene	12.78	91	1094889	18.30	ug/l	97
83) tert-Butylbenzene	12.99	119	1111466	18.69	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1337384	19.50	ug/l	98
85) sec-Butylbenzene	13.17	105	1484522	18.73	ug/l	98
86) p-Isopropyltoluene	13.29	119	1248062	19.44	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	686922	19.51	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	657319	18.95	ug/l	100
89) n-Butylbenzene	13.62	91	900080	18.16	ug/l	98
90) Hexachloroethane	13.88	117	258268	17.07	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	680112	19.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52385	16.73	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	214892	16.91	ug/l	99
94) Hexachlorobutadiene	15.01	225	216306	20.65	ug/l	98
95) Naphthalene	15.14	128	411229	14.86	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	234935	17.17	ug/l	97

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

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