

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049741.D
 Acq On : 6 Jul 2018 16:12
 Operator : MD\SY
 Sample : VN0706WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:33 PM

Quant Time: Jul 06 17:16:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1043450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1610397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1428359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	766867	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	670164	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	564158	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	10.09	98	2118786	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
62) 4-Bromofluorobenzene	12.40	95	742345	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	221899	18.870	ug/l	98
3) Chloromethane	2.06	50	296895	20.215	ug/l	99
4) Vinyl Chloride	2.18	62	310589	19.690	ug/l	100
5) Bromomethane	2.56	94	146916	17.731	ug/l	97
6) Chloroethane	2.70	64	200638	20.096	ug/l	100
7) Trichlorofluoromethane	3.01	101	424302	23.548	ug/l	97
8) Diethyl Ether	3.41	74	153406	21.005	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	262013	20.212	ug/l	99
10) Methyl Iodide	3.95	142	304084	18.743	ug/l	98
11) Tert butyl alcohol	4.80	59	99046	125.258	ug/l	98
12) 1,1-Dichloroethene	3.73	96	238414	19.453	ug/l	97
13) Acrolein	3.61	56	122806	166.267	ug/l	97
14) Allyl chloride	4.32	41	379183	22.524	ug/l	98
15) Acrylonitrile	4.99	53	467638	114.505	ug/l	97
16) Acetone	3.82	43	383290	134.824	ug/l	97
17) Carbon Disulfide	4.05	76	633670	18.560	ug/l	100
18) Methyl Acetate	4.33	43	266317	18.368	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	667156	21.117	ug/l	100
20) Methylene Chloride	4.55	84	302619	21.327	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	249463	19.778	ug/l	99
22) Diisopropyl ether	5.96	45	812840	21.341	ug/l	98
23) Vinyl Acetate	5.90	43	2462026	99.682	ug/l	99
24) 1,1-Dichloroethane	5.85	63	498636	20.781	ug/l	99
25) 2-Butanone	6.84	43	558053	121.990	ug/l	100
26) 2,2-Dichloropropane	6.83	77	413408	20.745	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	289596	20.554	ug/l	99
28) Bromochloromethane	7.20	49	222375	21.836	ug/l	98
29) Tetrahydrofuran	7.22	42	347957	119.340	ug/l	99
30) Chloroform	7.37	83	505438	20.664	ug/l	98
31) Cyclohexane	7.65	56	397930	18.886	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	430110	20.770	ug/l	98
36) 1,1-Dichloropropene	7.79	75	355249	19.608	ug/l	99
37) Ethyl Acetate	6.93	43	244060	23.095	ug/l	98
38) Carbon Tetrachloride	7.78	117	346077	19.636	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364234	18.336	ug/l	96
40) Benzene	8.04	78	1128921	20.406	ug/l	99
41) Methacrylonitrile	7.18	41	120427	20.217	ug/l	93
42) 1,2-Dichloroethane	8.13	62	366322	20.748	ug/l	99
43) Isopropyl Acetate	8.17	43	483222	22.713	ug/l	97
44) Trichloroethene	8.84	130	325013	19.480	ug/l	99
45) 1,2-Dichloropropane	9.12	63	298323	20.872	ug/l	98
46) Dibromomethane	9.21	93	183224	21.189	ug/l	98
47) Bromodichloromethane	9.41	83	379303	20.606	ug/l	99
48) Methyl methacrylate	9.20	41	206705	22.012	ug/l	100
49) 1,4-Dioxane	9.20	88	59656	472.531	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1216487	117.411	ug/l	99
52) Toluene	10.16	92	687652	20.575	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	351435	19.939	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	413922	20.093	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	264531	21.257	ug/l	97
56) Ethyl methacrylate	10.43	69	317514	21.767	ug/l	98
57) 1,3-Dichloropropane	10.71	76	436073	21.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	690153	97.670	ug/l	100
59) 2-Hexanone	10.75	43	825182	120.443	ug/l	99
60) Dibromochloromethane	10.90	129	284655	21.164	ug/l	100
61) 1,2-Dibromoethane	11.01	107	248357	20.828	ug/l	98
64) Tetrachloroethene	10.63	164	381716	19.737	ug/l	99
65) Chlorobenzene	11.44	112	736679	19.771	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	275795	20.599	ug/l	100
67) Ethyl Benzene	11.51	91	1207049	19.597	ug/l	99
68) m/p-Xylenes	11.62	106	965730	40.912	ug/l	100
69) o-Xylene	11.95	106	460410	20.372	ug/l	99
70) Styrene	11.97	104	748367	20.466	ug/l	100
71) Bromoform	12.13	173	187238	21.047	ug/l #	98
73) Isopropylbenzene	12.25	105	1203215	19.698	ug/l	99
74) N-amyl acetate	12.07	43	353734	21.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	316120	24.198	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	308761m	25.105	ug/l	
77) Bromobenzene	12.53	156	333065	20.052	ug/l	97
78) n-propylbenzene	12.59	91	1389129	19.842	ug/l	100
79) 2-Chlorotoluene	12.68	91	870611	19.650	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1038637	20.462	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70278	19.408	ug/l	92
82) 4-Chlorotoluene	12.78	91	868246	19.489	ug/l	99
83) tert-Butylbenzene	12.99	119	854970	19.607	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1063589	20.392	ug/l	99
85) sec-Butylbenzene	13.17	105	1186478	20.537	ug/l	100
86) p-Isopropyltoluene	13.29	119	1020250	20.388	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	566526	19.801	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	549793	19.631	ug/l	100
89) n-Butylbenzene	13.62	91	804801	18.786	ug/l	99
90) Hexachloroethane	13.88	117	94023	17.888	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	560207	20.070	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48733	22.301	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209343	16.507	ug/l	100
94) Hexachlorobutadiene	15.01	225	192442	22.395	ug/l	99
95) Naphthalene	15.14	128	439810	17.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	223520	17.757	ug/l	99

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

