

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049363.D
 Acq On : 19 Jun 2018 00:40
 Operator : MD\SY
 Sample : VN0618WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:45 PM

Quant Time: Jun 19 04:12:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1376314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2125983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1889647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	915504	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	993159	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.59	113	877649	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.09	98	3299509	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	1082691	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	285648	18.032	ug/l	99
3) Chloromethane	2.06	50	369595	18.068	ug/l	99
4) Vinyl Chloride	2.18	62	417983	19.226	ug/l	100
5) Bromomethane	2.56	94	200754	17.566	ug/l	94
6) Chloroethane	2.70	64	267784	20.658	ug/l	100
7) Trichlorofluoromethane	3.01	101	551079	20.319	ug/l	99
8) Diethyl Ether	3.41	74	204034	21.548	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	343086	19.945	ug/l	93
10) Methyl Iodide	3.95	142	318831	17.805	ug/l	91
11) Tert butyl alcohol	4.80	59	124194	115.917	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	314476	19.928	ug/l	89
13) Acrolein	3.61	56	77954	69.381	ug/l	99
14) Allyl chloride	4.32	41	500576	20.089	ug/l	89
15) Acrylonitrile	4.99	53	612300	114.291	ug/l	98
16) Acetone	3.82	43	430105	97.040	ug/l #	88
17) Carbon Disulfide	4.05	76	890669	18.007	ug/l	99
18) Methyl Acetate	4.33	43	344470	25.489	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	908137	22.571	ug/l	98
20) Methylene Chloride	4.55	84	381646	20.617	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	339026	20.292	ug/l	94
22) Diisopropyl ether	5.96	45	1107691	22.261	ug/l	98
23) Vinyl Acetate	5.90	43	3502731	107.983	ug/l	97
24) 1,1-Dichloroethane	5.85	63	664614	20.869	ug/l	99
25) 2-Butanone	6.84	43	655175	110.086	ug/l	94
26) 2,2-Dichloropropane	6.82	77	385190	14.976	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	393278	21.173	ug/l	88
28) Bromochloromethane	7.20	49	298706	21.155	ug/l #	82
29) Tetrahydrofuran	7.22	42	445758	116.355	ug/l	93
30) Chloroform	7.37	83	665727	21.004	ug/l	99
31) Cyclohexane	7.65	56	555750	20.481	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	567674	20.991	ug/l	96
36) 1,1-Dichloropropene	7.79	75	481222	19.750	ug/l	96
37) Ethyl Acetate	6.94	43	303034	22.877	ug/l #	96
38) Carbon Tetrachloride	7.78	117	506850	20.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	489931	18.732	ug/l	98
40) Benzene	8.04	78	1495344	20.018	ug/l	99
41) Methacrylonitrile	7.18	41	129225	18.045	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	473648	20.523	ug/l	95
43) Isopropyl Acetate	8.17	43	597212	23.597	ug/l	97
44) Trichloroethene	8.84	130	399091	20.231	ug/l	95
45) 1,2-Dichloropropane	9.12	63	406258	20.771	ug/l	99
46) Dibromomethane	9.21	93	236144	20.822	ug/l	91
47) Bromodichloromethane	9.40	83	509793	20.455	ug/l	98
48) Methyl methacrylate	9.20	41	271648	22.792	ug/l	89
49) 1,4-Dioxane	9.20	88	74770	454.547	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	1528276	115.215	ug/l	94
52) Toluene	10.16	92	920494	20.995	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	462088	19.381	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	546560	19.415	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	345792	21.156	ug/l	96
56) Ethyl methacrylate	10.43	69	411629	21.830	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	570011	21.052	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	562435	92.979	ug/l	95
59) 2-Hexanone	10.75	43	965070	112.851	ug/l	94
60) Dibromochloromethane	10.90	129	376749	20.653	ug/l	98
61) 1,2-Dibromoethane	11.01	107	320791	21.115	ug/l	99
64) Tetrachloroethene	10.63	164	435753	22.504	ug/l	98
65) Chlorobenzene	11.44	112	991515	20.369	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	375120	20.477	ug/l	100
67) Ethyl Benzene	11.51	91	1676116	20.759	ug/l	98
68) m/p-Xylenes	11.63	106	1288842	42.533	ug/l	97
69) o-Xylene	11.95	106	623201	21.353	ug/l	96
70) Styrene	11.97	104	1003305	21.790	ug/l	97
71) Bromoform	12.13	173	257363	21.704	ug/l	98
73) Isopropylbenzene	12.25	105	1661070	20.664	ug/l	98
74) N-amyl acetate	12.07	43	423550	21.512	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	399488	22.946	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	337635m	21.614	ug/l	
77) Bromobenzene	12.53	156	416931	19.637	ug/l	91
78) n-propylbenzene	12.59	91	1837007	20.814	ug/l	99
79) 2-Chlorotoluene	12.68	91	1142409	20.428	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1359990	21.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	92843	18.785	ug/l	93
82) 4-Chlorotoluene	12.78	91	1127589	20.900	ug/l	98
83) tert-Butylbenzene	13.00	119	1165979	20.831	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1367938	21.795	ug/l	99
85) sec-Butylbenzene	13.17	105	1505903	20.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	1261149	20.261	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	709692	20.318	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	681114	19.674	ug/l	99
89) n-Butylbenzene	13.62	91	916477	18.851	ug/l	98
90) Hexachloroethane	13.88	117	255314	20.679	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	704062	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58447	20.885	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	243573	18.784	ug/l	99
94) Hexachlorobutadiene	15.01	225	212711	19.573	ug/l	98
95) Naphthalene	15.14	128	492871	20.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	263633	19.446	ug/l	98

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

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