

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059599.D
 Acq On : 16 Dec 2019 13:38
 Operator : JC/SP
 Sample : VN1216WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS01

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:13 PM

Quant Time: Dec 17 08:00:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	259608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	417757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	375028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167595	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123907	32.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.60%	
35) Dibromofluoromethane	7.56	113	84597	32.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.72%	
50) Toluene-d8	10.08	98	331332	32.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.04%	
62) 4-Bromofluorobenzene	12.40	95	114881	30.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	37600	11.208	ug/l	98
3) Chloromethane	2.04	50	59860	11.244	ug/l	99
4) Vinyl Chloride	2.17	62	57117	11.314	ug/l	99
5) Bromomethane	2.55	94	31134	10.609	ug/l	99
6) Chloroethane	2.68	64	33071	11.656	ug/l	98
7) Trichlorofluoromethane	3.00	101	65948	11.906	ug/l	99
8) Diethyl Ether	3.38	74	19953	11.529	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31495	11.283	ug/l	99
10) Methyl Iodide	3.92	142	40372	10.925	ug/l	99
11) Tert butyl alcohol	4.75	59	35637	51.456	ug/l	100
12) 1,1-Dichloroethene	3.71	96	29812	10.948	ug/l	97
13) Acrolein	3.58	56	22808	46.232	ug/l	94
14) Allyl chloride	4.29	41	59797	10.697	ug/l	98
15) Acrylonitrile	4.95	53	93915	56.061	ug/l	99
16) Acetone	3.79	43	106237	47.367	ug/l	99
17) Carbon Disulfide	4.02	76	97554	11.407	ug/l	99
18) Methyl Acetate	4.29	43	49774	10.591	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	107016	11.131	ug/l	99
20) Methylene Chloride	4.52	84	38323	11.831	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	33554	11.054	ug/l	98
22) Diisopropyl ether	5.92	45	115196	11.178	ug/l	93
23) Vinyl Acetate	5.86	43	478817	59.206	ug/l	99
24) 1,1-Dichloroethane	5.82	63	68443	11.725	ug/l	99
25) 2-Butanone	6.81	43	137015	51.087	ug/l	100
26) 2,2-Dichloropropane	6.79	77	58850	11.092	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	37818	11.243	ug/l	96
28) Bromochloromethane	7.17	49	35377	14.756	ug/l	100
29) Tetrahydrofuran	7.18	42	84691	51.827	ug/l	99
30) Chloroform	7.35	83	65874	11.464	ug/l	97
31) Cyclohexane	7.63	56	62662	11.360	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	58152	11.225	ug/l	100
36) 1,1-Dichloropropene	7.77	75	48702	11.179	ug/l	98
37) Ethyl Acetate	6.90	43	54534	10.770	ug/l	99
38) Carbon Tetrachloride	7.75	117	50255	11.117	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	54705	11.070	ug/l	97
40) Benzene	8.02	78	146350	11.495	ug/l	98
41) Methacrylonitrile	7.14	41	19219	9.197	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57570	11.807	ug/l	100
43) Isopropyl Acetate	8.14	43	82705	10.506	ug/l #	92
44) Trichloroethene	8.82	130	37612	11.279	ug/l	99
45) 1,2-Dichloropropane	9.10	63	38577	11.221	ug/l	98
46) Dibromomethane	9.19	93	25130	11.157	ug/l	96
47) Bromodichloromethane	9.39	83	51795	11.534	ug/l	98
48) Methyl methacrylate	9.18	41	37387	10.468	ug/l	97
49) 1,4-Dioxane	9.18	88	11398	222.684	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	253868	54.087	ug/l	100
52) Toluene	10.14	92	86345	11.038	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57478	11.067	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	60899	11.155	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	34493	11.237	ug/l	99
56) Ethyl methacrylate	10.42	69	47373	10.395	ug/l	97
57) 1,3-Dichloropropane	10.70	76	59988	11.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	97218	67.078	ug/l	99
59) 2-Hexanone	10.74	43	190799	51.577	ug/l	99
60) Dibromochloromethane	10.89	129	37167	11.094	ug/l	99
61) 1,2-Dibromoethane	11.00	107	36129	11.098	ug/l	97
64) Tetrachloroethene	10.62	164	36281	10.378	ug/l	95
65) Chlorobenzene	11.43	112	91161	11.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	33594	10.899	ug/l	96
67) Ethyl Benzene	11.51	91	162140	11.070	ug/l	99
68) m/p-Xylenes	11.62	106	119056	22.012	ug/l	100
69) o-Xylene	11.94	106	56451	10.969	ug/l	99
70) Styrene	11.96	104	86847	10.503	ug/l	100
71) Bromoform	12.12	173	25143	10.852	ug/l #	97
73) Isopropylbenzene	12.25	105	151266	11.498	ug/l	99
74) N-amyl acetate	12.07	43	64583	10.702	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	47842	11.464	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	48437m	11.675	ug/l	
77) Bromobenzene	12.52	156	36861	11.393	ug/l	96
78) n-propylbenzene	12.59	91	176823	11.370	ug/l	100
79) 2-Chlorotoluene	12.67	91	106910	11.369	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	128093	11.505	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	17117	10.190	ug/l	95
82) 4-Chlorotoluene	12.77	91	108949	11.315	ug/l	100
83) tert-Butylbenzene	12.99	119	105375	11.176	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	124093	11.209	ug/l	100
85) sec-Butylbenzene	13.17	105	141715	11.299	ug/l	99
86) p-Isopropyltoluene	13.29	119	126067	11.098	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	64716	10.878	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	64720	10.790	ug/l	97
89) n-Butylbenzene	13.62	91	112902	10.601	ug/l	100
90) Hexachloroethane	13.87	117	24440	11.383	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	64130	10.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11691	11.262	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37323	9.851	ug/l	98
94) Hexachlorobutadiene	15.01	225	21621	11.725	ug/l	98
95) Naphthalene	15.13	128	105863	9.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	37316	9.738	ug/l	97

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

