

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053002.D
 Acq On : 19 Dec 2018 11:16
 Operator : MD\SY
 Sample : VN1219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:34:23 AM

Quant Time: Dec 20 05:59:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1058249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1617345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1421894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	662060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	552055	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.59	113	423350	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.09	98	2024058	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	688659	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	211252	19.724	ug/l	99
3) Chloromethane	2.06	50	262308	20.211	ug/l	99
4) Vinyl Chloride	2.19	62	261926	19.927	ug/l	99
5) Bromomethane	2.58	94	164648	18.080	ug/l	99
6) Chloroethane	2.71	64	154946	19.904	ug/l	99
7) Trichlorofluoromethane	3.03	101	325951	19.906	ug/l	99
8) Diethyl Ether	3.41	74	125025	20.239	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	204297	19.568	ug/l	97
10) Methyl Iodide	3.96	142	244669	16.688	ug/l	98
11) Tert butyl alcohol	4.77	59	61852	94.392	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	198268	19.657	ug/l	99
13) Acrolein	3.61	56	68978	116.094	ug/l	99
14) Allyl chloride	4.33	41	323633	20.714	ug/l	94
15) Acrylonitrile	4.99	53	351982	96.690	ug/l	99
16) Acetone	3.81	43	227025	107.818	ug/l	98
17) Carbon Disulfide	4.06	76	583204	17.730	ug/l	99
18) Methyl Acetate	4.32	43	179521	19.404	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	545037	20.192	ug/l	100
20) Methylene Chloride	4.55	84	228467	19.891	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	210948	19.465	ug/l	99
22) Diisopropyl ether	5.95	45	678687	20.351	ug/l	97
23) Vinyl Acetate	5.90	43	1974819	102.980	ug/l	98
24) 1,1-Dichloroethane	5.85	63	394737	19.919	ug/l	99
25) 2-Butanone	6.83	43	373835	105.790	ug/l	97
26) 2,2-Dichloropropane	6.82	77	289037	19.107	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	244600	19.937	ug/l	99
28) Bromochloromethane	7.19	49	184835	21.525	ug/l	96
29) Tetrahydrofuran	7.21	42	265471	100.586	ug/l	98
30) Chloroform	7.37	83	386977	19.879	ug/l	99
31) Cyclohexane	7.66	56	379601	19.789	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	323955	19.535	ug/l	99
36) 1,1-Dichloropropene	7.80	75	301652	19.432	ug/l	99
37) Ethyl Acetate	6.93	43	177009	20.425	ug/l	100
38) Carbon Tetrachloride	7.78	117	276801	19.453	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	359468	19.062	ug/l	99
40) Benzene	8.04	78	920468	19.934	ug/l	100
41) Methacrylonitrile	7.17	41	97339	19.440	ug/l	98
42) 1,2-Dichloroethane	8.12	62	268534	19.686	ug/l	99
43) Isopropyl Acetate	8.16	43	341219	19.714	ug/l	99
44) Trichloroethene	8.83	130	258670	19.368	ug/l	98
45) 1,2-Dichloropropane	9.12	63	241212	20.055	ug/l	100
46) Dibromomethane	9.21	93	138239	19.730	ug/l	97
47) Bromodichloromethane	9.40	83	290148	19.482	ug/l	100
48) Methyl methacrylate	9.20	41	165621	19.695	ug/l	98
49) 1,4-Dioxane	9.20	88	38920	365.878	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	852112	101.533	ug/l	99
52) Toluene	10.16	92	567735	19.837	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	297128	18.973	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	350747	19.512	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	199495	19.980	ug/l	98
56) Ethyl methacrylate	10.43	69	263300	19.923	ug/l	97
57) 1,3-Dichloropropane	10.71	76	343184	20.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	703746	96.995	ug/l	98
59) 2-Hexanone	10.75	43	573101	100.931	ug/l	99
60) Dibromochloromethane	10.90	129	220040	19.252	ug/l	100
61) 1,2-Dibromoethane	11.00	107	199868	19.710	ug/l	100
64) Tetrachloroethene	10.63	164	294274	19.106	ug/l	99
65) Chlorobenzene	11.43	112	618221	19.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	216138	19.719	ug/l	99
67) Ethyl Benzene	11.51	91	1071363	19.765	ug/l	99
68) m/p-Xylenes	11.62	106	813091	39.458	ug/l	99
69) o-Xylene	11.95	106	397363	20.096	ug/l	100
70) Styrene	11.96	104	648957	20.127	ug/l	99
71) Bromoform	12.13	173	148820	18.795	ug/l #	99
73) Isopropylbenzene	12.25	105	1048000	20.231	ug/l	100
74) N-amyl acetate	12.07	43	297471	20.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	214178	21.075	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	192950m	17.313	ug/l	
77) Bromobenzene	12.53	156	269660	20.027	ug/l	97
78) n-propylbenzene	12.59	91	1173085	19.884	ug/l	99
79) 2-Chlorotoluene	12.67	91	703139	19.228	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	837003	19.824	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	67467	19.511	ug/l	97
82) 4-Chlorotoluene	12.77	91	708213	19.784	ug/l	100
83) tert-Butylbenzene	12.99	119	738020	19.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	848645	19.994	ug/l	100
85) sec-Butylbenzene	13.17	105	982082	19.444	ug/l	99
86) p-Isopropyltoluene	13.29	119	848500	19.442	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	463228	19.437	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	457877	18.972	ug/l	99
89) n-Butylbenzene	13.62	91	685109	18.247	ug/l	99
90) Hexachloroethane	13.88	117	123656	18.463	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	440545	19.642	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33299	18.951	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220884	18.963	ug/l	100
94) Hexachlorobutadiene	15.01	225	130017	19.373	ug/l	99
95) Naphthalene	15.13	128	464432	18.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	200003	19.009	ug/l	98

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

