

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052021.D
 Acq On : 26 Oct 2018 12:06
 Operator : MD\SY
 Sample : VN1026WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 Client Sampled :
 VN1026WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 3:46:28 PM

Quant Time: Oct 26 23:58:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1278405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1777297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1645406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	819428	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	522436	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
35) Dibromofluoromethane	7.59	113	557480	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.09	98	2016679	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	670216	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	233449	28.776	ug/l	99
3) Chloromethane	2.06	50	159529	21.839	ug/l	99
4) Vinyl Chloride	2.19	62	194157	19.830	ug/l	99
5) Bromomethane	2.57	94	193469	20.638	ug/l	99
6) Chloroethane	2.71	64	134386	18.487	ug/l	97
7) Trichlorofluoromethane	3.02	101	349213	20.017	ug/l	100
8) Diethyl Ether	3.41	74	98596	19.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	213562	20.435	ug/l	99
10) Methyl Iodide	3.96	142	308132	19.928	ug/l	98
11) Tert butyl alcohol	4.78	59	47605	80.791	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	185887	19.861	ug/l	98
13) Acrolein	3.61	56	21023	90.016	ug/l	92
14) Allyl chloride	4.33	41	184196	18.599	ug/l	98
15) Acrylonitrile	4.99	53	237026	95.290	ug/l	98
16) Acetone	3.82	43	168552	89.852	ug/l	97
17) Carbon Disulfide	4.06	76	433278	19.475	ug/l	99
18) Methyl Acetate	4.33	43	97117	15.454	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	475623	18.928	ug/l	99
20) Methylene Chloride	4.56	84	205456	18.670	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	207158	19.544	ug/l	96
22) Diisopropyl ether	5.95	45	434342	19.169	ug/l	98
23) Vinyl Acetate	5.90	43	1509031	97.901	ug/l	99
24) 1,1-Dichloroethane	5.85	63	311046	18.803	ug/l	99
25) 2-Butanone	6.84	43	256555	95.935	ug/l	98
26) 2,2-Dichloropropane	6.82	77	286543	18.932	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	240465	19.420	ug/l	98
28) Bromochloromethane	7.20	49	110164	16.523	ug/l	91
29) Tetrahydrofuran	7.21	42	163055	89.992	ug/l	99
30) Chloroform	7.37	83	379331	18.779	ug/l	100
31) Cyclohexane	7.66	56	277634	19.289	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	348156	18.849	ug/l	100
36) 1,1-Dichloropropene	7.79	75	266241	19.529	ug/l	98
37) Ethyl Acetate	6.93	43	119514	18.408	ug/l	98
38) Carbon Tetrachloride	7.78	117	312472	19.964	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	337475	20.267	ug/l	98
40) Benzene	8.04	78	817582	20.198	ug/l	98
41) Methacrylonitrile	7.17	41	56332	18.388	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	252484	19.453	ug/l	100
43) Isopropyl Acetate	8.16	43	222986	19.530	ug/l	98
44) Trichloroethene	8.84	130	268680	20.679	ug/l	97
45) 1,2-Dichloropropane	9.12	63	185653	20.274	ug/l	100
46) Dibromomethane	9.21	93	142963	19.368	ug/l	95
47) Bromodichloromethane	9.40	83	270725	19.420	ug/l	99
48) Methyl methacrylate	9.20	41	105923	19.193	ug/l	99
49) 1,4-Dioxane	9.20	88	32833	324.456	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	605125	96.351	ug/l	98
52) Toluene	10.16	92	563154	20.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	251800	18.490	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	297382	20.409	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	197235	19.447	ug/l	97
56) Ethyl methacrylate	10.43	69	210335	19.293	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301684	19.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	560342	98.231	ug/l	99
59) 2-Hexanone	10.75	43	406083	96.233	ug/l	99
60) Dibromochloromethane	10.90	129	227245	18.847	ug/l	100
61) 1,2-Dibromoethane	11.01	107	209979	19.636	ug/l	100
64) Tetrachloroethene	10.63	164	263810	20.889	ug/l	97
65) Chlorobenzene	11.43	112	674086	20.291	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240078	20.106	ug/l	99
67) Ethyl Benzene	11.51	91	1054799	19.753	ug/l	98
68) m/p-Xylenes	11.62	106	867374	40.653	ug/l	100
69) o-Xylene	11.95	106	423525	20.411	ug/l	97
70) Styrene	11.96	104	670883	20.229	ug/l	100
71) Bromoform	12.13	173	138794	18.213	ug/l #	99
73) Isopropylbenzene	12.25	105	1124205	21.633	ug/l	100
74) N-amyl acetate	12.07	43	192089	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	205459	19.134	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	175585m	20.744	ug/l	
77) Bromobenzene	12.53	156	309106	21.552	ug/l	97
78) n-propylbenzene	12.59	91	1208663	21.560	ug/l	100
79) 2-Chlorotoluene	12.67	91	695827	21.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	910526	21.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46328	18.811	ug/l	97
82) 4-Chlorotoluene	12.77	91	706136	20.891	ug/l	98
83) tert-Butylbenzene	12.99	119	824816	20.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	924448	21.495	ug/l	100
85) sec-Butylbenzene	13.17	105	1086710	21.100	ug/l	100
86) p-Isopropyltoluene	13.29	119	973151	20.987	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	537397	20.316	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	527074	20.211	ug/l	98
89) n-Butylbenzene	13.61	91	726932	19.688	ug/l	99
90) Hexachloroethane	13.87	117	134485	19.468	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	492613	19.250	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21627	13.117	ug/l	90

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93) 1,2,4-Trichlorobenzene	14.91	180	188955	12.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	120079	15.460	ug/l	98
95) Naphthalene	15.13	128	361862	11.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	157315	10.888	ug/l	98

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

