

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060581.D
 Acq On : 18 Mar 2020 10:58
 Operator : JC/MD
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:49 PM

Quant Time: Mar 19 05:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	363652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	142816	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.56	113	105720	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.08	98	429766	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	154673	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41451	19.286	ug/l	98
3) Chloromethane	2.04	50	68083	16.961	ug/l	99
4) Vinyl Chloride	2.16	62	56134	17.879	ug/l	99
5) Bromomethane	2.54	94	25293	18.662	ug/l	97
6) Chloroethane	2.68	64	32774	18.121	ug/l	99
7) Trichlorofluoromethane	3.00	101	72201	18.668	ug/l	100
8) Diethyl Ether	3.38	74	27942	17.984	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	42639	19.026	ug/l	99
10) Methyl Iodide	3.92	142	41810	20.966	ug/l	100
11) Tert butyl alcohol	4.72	59	38569	86.005	ug/l	98
12) 1,1-Dichloroethene	3.71	96	42743	17.773	ug/l	96
13) Acrolein	3.57	56	40463	81.411	ug/l	100
14) Allyl chloride	4.29	41	80230	18.968	ug/l	95
15) Acrylonitrile	4.94	53	112137	85.035	ug/l	98
16) Acetone	3.78	43	97171	89.963	ug/l	99
17) Carbon Disulfide	4.03	76	134816	18.432	ug/l	99
18) Methyl Acetate	4.29	43	50548	16.626	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	147622	17.854	ug/l	98
20) Methylene Chloride	4.52	84	48475	18.244	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	47459	18.516	ug/l	97
22) Diisopropyl ether	5.91	45	162855	18.224	ug/l	95
23) Vinyl Acetate	5.86	43	657945	90.239	ug/l	100
24) 1,1-Dichloroethane	5.81	63	89093	18.288	ug/l	99
25) 2-Butanone	6.80	43	149017	85.259	ug/l	100
26) 2,2-Dichloropropane	6.79	77	77067	20.107	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	52585	18.054	ug/l	99
28) Bromochloromethane	7.17	49	42011	18.025	ug/l	98
29) Tetrahydrofuran	7.18	42	101774	82.298	ug/l	100
30) Chloroform	7.35	83	83985	17.983	ug/l	98
31) Cyclohexane	7.63	56	88261	17.971	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	74243	18.441	ug/l	99
36) 1,1-Dichloropropene	7.77	75	67276	19.106	ug/l	98
37) Ethyl Acetate	6.90	43	64838	17.041	ug/l	98
38) Carbon Tetrachloride	7.75	117	58789	18.628	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	81296	19.427	ug/l	98
40) Benzene	8.02	78	201224	18.930	ug/l	98
41) Methacrylonitrile	7.14	41	28451m	17.521	ug/l	
42) 1,2-Dichloroethane	8.10	62	67949	18.704	ug/l	99
43) Isopropyl Acetate	8.14	43	110276	17.574	ug/l	100
44) Trichloroethene	8.82	130	50719	18.927	ug/l	98
45) 1,2-Dichloropropane	9.10	63	53224	18.975	ug/l	96
46) Dibromomethane	9.19	93	31366	18.497	ug/l	98
47) Bromodichloromethane	9.39	83	65028	18.454	ug/l	98
48) Methyl methacrylate	9.18	41	47312	16.935	ug/l	98
49) 1,4-Dioxane	9.17	88	13077	393.802	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	312615	87.550	ug/l	99
52) Toluene	10.14	92	121078	18.860	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	76814	18.978	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	84351	18.996	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45527	18.434	ug/l	97
56) Ethyl methacrylate	10.42	69	69365	18.013	ug/l	99
57) 1,3-Dichloropropane	10.70	76	80255	18.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	176400	92.165	ug/l	100
59) 2-Hexanone	10.74	43	221314	86.042	ug/l	100
60) Dibromochloromethane	10.89	129	47094	18.460	ug/l	99
61) 1,2-Dibromoethane	10.99	107	45763	18.427	ug/l	100
64) Tetrachloroethene	10.62	164	51448	19.804	ug/l	98
65) Chlorobenzene	11.43	112	124304	18.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	44990	18.987	ug/l	97
67) Ethyl Benzene	11.50	91	233153	19.157	ug/l	100
68) m/p-Xylenes	11.62	106	171788	37.984	ug/l	99
69) o-Xylene	11.94	106	81611	18.903	ug/l	100
70) Styrene	11.96	104	131195	18.580	ug/l	100
71) Bromoform	12.12	173	32171	17.467	ug/l #	99
73) Isopropylbenzene	12.24	105	218863	19.298	ug/l	100
74) N-amyl acetate	12.06	43	92166	17.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61453	17.918	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56240m	17.247	ug/l	
77) Bromobenzene	12.52	156	51081	18.692	ug/l	99
78) n-propylbenzene	12.59	91	258368	19.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	150139	18.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	184758	19.197	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22483	17.708	ug/l	99
82) 4-Chlorotoluene	12.77	91	155289	19.045	ug/l	99
83) tert-Butylbenzene	12.99	119	153170	19.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	185769	19.510	ug/l	99
85) sec-Butylbenzene	13.17	105	206090	19.210	ug/l	99
86) p-Isopropyltoluene	13.28	119	185397	19.217	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	91624	19.009	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	90778	18.746	ug/l	99
89) n-Butylbenzene	13.61	91	167094	19.184	ug/l	100
90) Hexachloroethane	13.87	117	25937	18.496	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	86088	18.679	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11817	16.269	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	51568	18.220	ug/l	99
94) Hexachlorobutadiene	15.01	225	27519	19.834	ug/l	96
95) Naphthalene	15.13	128	144391	16.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50167	17.996	ug/l	99

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

