

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061064.D
 Acq On : 17 Apr 2020 20:18
 Operator : JC/MD
 Sample : L2337-06MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-403-405MSD

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:09 AM

Quant Time: Apr 20 04:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	149673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	256002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	91632	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.56	113	71838	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.08	98	255469	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
62) 4-Bromofluorobenzene	12.39	95	101568	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	97473	49.277	ug/l	99
3) Chloromethane	2.04	50	135839	51.171	ug/l	99
4) Vinyl Chloride	2.17	62	112374	50.939	ug/l	99
5) Bromomethane	2.54	94	52562	47.513	ug/l	99
6) Chloroethane	2.68	64	66309	52.107	ug/l	100
7) Trichlorofluoromethane	3.00	101	139506	50.796	ug/l	99
8) Diethyl Ether	3.38	74	57696	52.856	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76713	47.609	ug/l	99
10) Methyl Iodide	3.93	142	80246	56.451	ug/l	100
11) Tert butyl alcohol	4.72	59	91093	268.105	ug/l	100
12) 1,1-Dichloroethene	3.71	96	81537	49.781	ug/l	99
13) Acrolein	3.57	56	67813	236.382	ug/l	99
14) Allyl chloride	4.29	41	147227	47.507	ug/l	98
15) Acrylonitrile	4.94	53	255596	277.450	ug/l	99
16) Acetone	3.78	43	212962	252.661	ug/l	99
17) Carbon Disulfide	4.03	76	234966	45.845	ug/l	99
18) Methyl Acetate	4.28	43	137336	51.961	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	291499	51.041	ug/l	100
20) Methylene Chloride	4.52	84	92356	50.186	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	86375	49.305	ug/l	97
22) Diisopropyl ether	5.91	45	331496	51.504	ug/l	99
23) Vinyl Acetate	5.86	43	1231076	243.912	ug/l	100
24) 1,1-Dichloroethane	5.81	63	177456	51.048	ug/l	100
25) 2-Butanone	6.80	43	349146	270.322	ug/l	100
26) 2,2-Dichloropropane	6.79	77	125577	43.386	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99445	49.445	ug/l	100
28) Bromochloromethane	7.17	49	76598	48.003	ug/l	98
29) Tetrahydrofuran	7.18	42	242229	276.249	ug/l	99
30) Chloroform	7.35	83	165653	51.090	ug/l	99
31) Cyclohexane	7.63	56	165480	46.390	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	142317	50.744	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129361	48.968	ug/l	100
37) Ethyl Acetate	6.89	43	141546	49.346	ug/l	99
38) Carbon Tetrachloride	7.75	117	113667	51.693	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	148012	46.864	ug/l	98
40) Benzene	8.02	78	388605	49.585	ug/l	100
41) Methacrylonitrile	7.15	41	69455m	58.051	ug/l	
42) 1,2-Dichloroethane	8.10	62	135873	50.894	ug/l	100
43) Isopropyl Acetate	8.14	43	235863	50.558	ug/l	99
44) Trichloroethene	8.82	130	96357	48.931	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105645	49.908	ug/l	99
46) Dibromomethane	9.19	93	62913	51.548	ug/l	100
47) Bromodichloromethane	9.38	83	132230	51.286	ug/l	99
48) Methyl methacrylate	9.18	41	109800	53.258	ug/l	98
49) 1,4-Dioxane	9.17	88	30023	1048.115	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	728098	270.735	ug/l	100
52) Toluene	10.14	92	231928	49.330	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	146979	49.077	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	158395	48.473	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	90560	50.899	ug/l	96
56) Ethyl methacrylate	10.42	69	148017	52.905	ug/l	99
57) 1,3-Dichloropropane	10.70	76	161018	50.736	ug/l	99
59) 2-Hexanone	10.74	43	533588	275.117	ug/l	100
60) Dibromochloromethane	10.89	129	95159	52.065	ug/l	100
61) 1,2-Dibromoethane	10.99	107	94297	52.012	ug/l	99
64) Tetrachloroethene	10.62	164	86902	48.257	ug/l	99
65) Chlorobenzene	11.42	112	235563	48.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86625	49.838	ug/l	99
67) Ethyl Benzene	11.50	91	450147	49.258	ug/l	99
68) m/p-Xylenes	11.61	106	326578	98.884	ug/l	100
69) o-Xylene	11.94	106	156071	49.150	ug/l	98
70) Stvrene	11.96	104	249851	48.874	ug/l	100
71) Bromoform	12.12	173	68087	52.480	ug/l #	99
73) Isopropylbenzene	12.24	105	422072	47.960	ug/l	100
74) N-amyl acetate	12.06	43	194385	47.498	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	135723	50.522	ug/l	100
76) 1,2,3-Trichloropropane	12.54	75	129586m	53.632	ug/l	
77) Bromobenzene	12.52	156	99984	48.660	ug/l	99
78) n-propylbenzene	12.58	91	502224	48.777	ug/l	100
79) 2-Chlorotoluene	12.67	91	292997	48.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	353526	48.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	47200	48.184	ug/l	99
82) 4-Chlorotoluene	12.77	91	303414	48.445	ug/l	99
83) tert-Butylbenzene	12.99	119	297687	48.661	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	354978	49.368	ug/l	100
85) sec-Butylbenzene	13.17	105	401259	48.409	ug/l	100
86) p-Isopropyltoluene	13.28	119	354699	48.055	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	175664	47.971	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	175275	47.578	ug/l	99
89) n-Butylbenzene	13.61	91	324520	47.280	ug/l	100
90) Hexachloroethane	13.87	117	53778	47.489	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	169454	48.485	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29133	56.034	ug/l	96
93) 1,2,4-Trichlorobenzene	14.90	180	100526	48.595	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	45723	42.966	ug/l	99
95) Naphthalene	15.13	128	319163	52.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	97825	49.071	ug/l	99

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

