

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061947.D
 Acq On : 19 Jun 2020 13:13
 Operator : JC/MD
 Sample : VN0619WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:25:18 PM

Quant Time: Jun 20 07:57:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	155952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	264067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109015	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.55	113	90447	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
50) Toluene-d8	10.06	98	351291	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.37	95	116722	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41607	20.676	ug/l	97
3) Chloromethane	2.03	50	42257	19.521	ug/l	99
4) Vinyl Chloride	2.16	62	51624	20.005	ug/l	98
5) Bromomethane	2.53	94	36814	18.577	ug/l	97
6) Chloroethane	2.67	64	34746	19.895	ug/l	98
7) Trichlorofluoromethane	2.98	101	57028	18.501	ug/l	94
8) Diethyl Ether	3.37	74	22293	21.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32574	20.598	ug/l	98
10) Methyl Iodide	3.91	142	37272	22.770	ug/l	100
11) Tert butyl alcohol	4.73	59	29514	101.974	ug/l	98
12) 1,1-Dichloroethene	3.70	96	31803	20.071	ug/l	98
13) Acrolein	3.57	56	15982	92.390	ug/l	100
14) Allyl chloride	4.27	41	42566	20.240	ug/l	98
15) Acrylonitrile	4.93	53	77954	108.699	ug/l	99
16) Acetone	3.77	43	62616	101.352	ug/l	99
17) Carbon Disulfide	4.01	76	87071	18.780	ug/l	99
18) Methyl Acetate	4.27	43	37919	21.319	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	108009	20.472	ug/l	98
20) Methylene Chloride	4.50	84	38727	19.240	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	35036	19.250	ug/l	97
22) Diisopropyl ether	5.90	45	96595	20.083	ug/l	99
23) Vinyl Acetate	5.84	43	385113	101.804	ug/l	99
24) 1,1-Dichloroethane	5.80	63	63958	20.314	ug/l	99
25) 2-Butanone	6.79	43	93737	103.993	ug/l	100
26) 2,2-Dichloropropane	6.77	77	53226	20.093	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	41203	19.620	ug/l	98
28) Bromochloromethane	7.15	49	29847	21.291	ug/l	97
29) Tetrahydrofuran	7.16	42	61299	103.335	ug/l	99
30) Chloroform	7.33	83	65987	19.610	ug/l	97
31) Cyclohexane	7.61	56	52091	18.899	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	55106	19.229	ug/l	99
36) 1,1-Dichloropropene	7.75	75	46435	19.279	ug/l	98
37) Ethyl Acetate	6.88	43	39972	21.252	ug/l	100
38) Carbon Tetrachloride	7.73	117	47111	19.752	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	52719	20.327	ug/l	99
40) Benzene	8.00	78	145355	19.922	ug/l	99
41) Methacrylonitrile	7.13	41	15915m	19.788	ug/l	
42) 1,2-Dichloroethane	8.08	62	51268	20.608	ug/l	99
43) Isopropyl Acetate	8.12	43	65798	20.758	ug/l #	92
44) Trichloroethene	8.80	130	38571	20.087	ug/l	93
45) 1,2-Dichloropropane	9.08	63	36979	20.624	ug/l	97
46) Dibromomethane	9.17	93	25695	20.350	ug/l	100
47) Bromodichloromethane	9.37	83	51365	19.867	ug/l	99
48) Methyl methacrylate	9.17	41	28804	19.982	ug/l	100
49) 1,4-Dioxane	9.16	88	13658	412.698	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	197985	105.700	ug/l	99
52) Toluene	10.12	92	94319	20.584	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	55708	20.297	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	59943	20.108	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	37550	20.828	ug/l	98
56) Ethyl methacrylate	10.40	69	48780	19.588	ug/l	97
57) 1,3-Dichloropropane	10.68	76	63509	20.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	78730	82.744	ug/l	99
59) 2-Hexanone	10.72	43	139996	101.943	ug/l	99
60) Dibromochloromethane	10.87	129	40711	20.237	ug/l	99
61) 1,2-Dibromoethane	10.98	107	37786	20.072	ug/l	98
64) Tetrachloroethene	10.60	164	31836	19.993	ug/l	99
65) Chlorobenzene	11.41	112	101050	19.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	36667	19.943	ug/l	98
67) Ethyl Benzene	11.48	91	170630	19.305	ug/l	97
68) m/p-Xylenes	11.60	106	134319	39.410	ug/l	99
69) o-Xylene	11.92	106	64678	19.889	ug/l	99
70) Styrene	11.94	104	106138	19.492	ug/l	99
71) Bromoform	12.10	173	26221	19.559	ug/l #	99
73) Isopropylbenzene	12.22	105	167113	20.547	ug/l	99
74) N-amyl acetate	12.04	43	53114	19.992	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	54814	20.729	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	44887m	19.976	ug/l	
77) Bromobenzene	12.50	156	41546	20.248	ug/l	98
78) n-propylbenzene	12.56	91	189573	20.427	ug/l	99
79) 2-Chlorotoluene	12.65	91	112928	20.261	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	139375	20.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	16959	20.585	ug/l	99
82) 4-Chlorotoluene	12.75	91	116120	20.162	ug/l	99
83) tert-Butylbenzene	12.97	119	117395	20.580	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	136030	20.480	ug/l	99
85) sec-Butylbenzene	13.15	105	153238	20.523	ug/l	100
86) p-Isopropyltoluene	13.26	119	136301	20.486	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	73871	19.739	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	74441	19.433	ug/l	99
89) n-Butylbenzene	13.59	91	110148	19.824	ug/l	99
90) Hexachloroethane	13.85	117	24661	20.249	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	72744	20.191	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9047	21.075	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	33046	19.438	ug/l	99
94) Hexachlorobutadiene	14.98	225	13994	20.900	ug/l	99
95) Naphthalene	15.10	128	93887	18.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	33301	19.779	ug/l	97

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

