

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055941.D
 Acq On : 1 Jun 2019 2:01
 Operator : JC/SP
 Sample : VN0531WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:39 PM

Quant Time: Jun 03 08:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	292749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	448749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	167331	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.59	113	146899	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	10.09	98	553548	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	177889	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	36657	18.605	ug/l	99
3) Chloromethane	2.06	50	51899	18.801	ug/l	99
4) Vinyl Chloride	2.18	62	57692	19.594	ug/l	100
5) Bromomethane	2.53	94	39957	21.692	ug/l	97
6) Chloroethane	2.68	64	37513	21.162	ug/l	97
7) Trichlorofluoromethane	3.00	101	79191	20.515	ug/l	100
8) Diethyl Ether	3.40	74	37236	21.523	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48798	20.252	ug/l	98
10) Methyl Iodide	3.94	142	73723	20.927	ug/l	100
11) Tert butyl alcohol	4.81	59	57950	100.321	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49778	19.993	ug/l	99
13) Acrolein	3.60	56	23189	56.064	ug/l	98
14) Allyl chloride	4.31	41	78967	18.501	ug/l	98
15) Acrylonitrile	4.99	53	149053	112.372	ug/l	99
16) Acetone	3.82	43	122998	92.551	ug/l	98
17) Carbon Disulfide	4.04	76	101263	14.315	ug/l	99
18) Methyl Acetate	4.33	43	69647	25.150	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178009	21.437	ug/l	99
20) Methylene Chloride	4.54	84	61676	21.429	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	53999	20.188	ug/l	95
22) Diisopropyl ether	5.95	45	181171	21.824	ug/l	96
23) Vinyl Acetate	5.90	43	713680	100.271	ug/l	99
24) 1,1-Dichloroethane	5.84	63	102599	21.227	ug/l	100
25) 2-Butanone	6.84	43	197362	106.337	ug/l	99
26) 2,2-Dichloropropane	6.82	77	54306	12.982	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	67266	21.555	ug/l	96
28) Bromochloromethane	7.19	49	52181	22.675	ug/l	100
29) Tetrahydrofuran	7.22	42	131024	111.476	ug/l	100
30) Chloroform	7.37	83	106402	22.074	ug/l	99
31) Cyclohexane	7.65	56	89500	19.723	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	85691	19.922	ug/l	98
36) 1,1-Dichloropropene	7.79	75	71625	18.315	ug/l	98
37) Ethyl Acetate	6.93	43	79460	21.023	ug/l	98
38) Carbon Tetrachloride	7.77	117	70299	17.258	ug/l	99

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39) Methylcyclohexane	9.08	83	87065	17.979	ug/l	98
40) Benzene	8.04	78	239982	20.362	ug/l	99
41) Methacrylonitrile	7.18	41	36871	19.309	ug/l	96
42) 1,2-Dichloroethane	8.12	62	81318	21.115	ug/l	99
43) Isopropyl Acetate	8.17	43	122327	19.263	ug/l #	93
44) Trichloroethene	8.83	130	66066	20.107	ug/l	98
45) 1,2-Dichloropropane	9.12	63	63689	20.741	ug/l	100
46) Dibromomethane	9.21	93	42018	20.865	ug/l	98
47) Bromodichloromethane	9.40	83	76696	18.573	ug/l	97
48) Methyl methacrylate	9.20	41	60568	20.694	ug/l	99
49) 1,4-Dioxane	9.20	88	24807	407.869	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	391641	104.421	ug/l	100
52) Toluene	10.16	92	150905	20.358	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	72662	16.485	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	86188	17.650	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	62899	21.181	ug/l	98
56) Ethyl methacrylate	10.43	69	90389	19.695	ug/l	98
57) 1,3-Dichloropropane	10.71	76	101615	21.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	148559	84.704	ug/l	99
59) 2-Hexanone	10.75	43	268927	101.074	ug/l	99
60) Dibromochloromethane	10.90	129	59153	17.099	ug/l	100
61) 1,2-Dibromoethane	11.01	107	63860	20.733	ug/l	99
64) Tetrachloroethene	10.63	164	71141	21.506	ug/l	98
65) Chlorobenzene	11.43	112	160645	20.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59143	18.887	ug/l	99
67) Ethyl Benzene	11.51	91	282037	20.031	ug/l	98
68) m/p-Xylenes	11.62	106	212599	39.940	ug/l	99
69) o-Xylene	11.95	106	106048	20.081	ug/l	100
70) Styrene	11.96	104	168281	19.677	ug/l	99
71) Bromoform	12.13	173	39808	14.904	ug/l #	98
73) Isopropylbenzene	12.25	105	278890	24.416	ug/l	100
74) N-amyl acetate	12.07	43	96279	22.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	83789	24.461	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	70110m	25.213	ug/l	
77) Bromobenzene	12.53	156	72515	22.346	ug/l	98
78) n-propylbenzene	12.59	91	283709	21.465	ug/l	100
79) 2-Chlorotoluene	12.67	91	180777	24.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	226761	23.549	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16491	14.590	ug/l #	84
82) 4-Chlorotoluene	12.77	91	165756	21.334	ug/l	99
83) tert-Butylbenzene	12.99	119	207759	24.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217531	22.648	ug/l	99
85) sec-Butylbenzene	13.17	105	254907	23.655	ug/l	100
86) p-Isopropyltoluene	13.29	119	222905	21.106	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	108832	21.180	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	100830	20.639	ug/l	100
89) n-Butylbenzene	13.61	91	151779	18.757	ug/l	100
90) Hexachloroethane	13.87	117	34985	17.404	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	110829	21.618	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11851	17.588	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.91	180	43643	17.357	ug/l	100
94) Hexachlorobutadiene	15.01	225	38213	20.087	ug/l	98
95) Naphthalene	15.13	128	128219	18.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51008	18.822	ug/l	99

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

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