

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064783.D
 Acq On : 23 Nov 2020 14:20
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112320

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:28 PM

Quant Time: Nov 24 03:38:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	205822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	312186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	112466	47.00	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.00%		
35) Dibromofluoromethane	7.55	113	91489	48.98	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.96%		
50) Toluene-d8	10.06	98	378203	49.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.10%		
62) 4-Bromofluorobenzene	12.38	95	138173	50.58	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	85695	48.041	ug/l	99
3) Chloromethane	2.04	50	108254	46.700	ug/l	98
4) Vinyl Chloride	2.16	62	115087	47.621	ug/l	97
5) Bromomethane	2.53	94	77612	48.948	ug/l	97
6) Chloroethane	2.67	64	70793	47.360	ug/l	97
7) Trichlorofluoromethane	2.98	101	158514	47.449	ug/l	96
8) Diethyl Ether	3.37	74	63484	48.143	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	98764	49.282	ug/l	99
10) Methyl Iodide	3.90	142	128229	49.330	ug/l	98
11) Tert butyl alcohol	4.75	59	94743	253.890	ug/l	99
12) 1,1-Dichloroethene	3.69	96	94881	47.539	ug/l	96
13) Acrolein	3.56	56	58236	255.493	ug/l	97
14) Allyl chloride	4.27	41	158670	48.201	ug/l	99
15) Acrylonitrile	4.94	53	261880	254.036	ug/l	100
16) Acetone	3.78	43	179086	227.675	ug/l	97
17) Carbon Disulfide	4.00	76	252894	49.075	ug/l	99
18) Methyl Acetate	4.28	43	118362	50.049	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	330140	51.575	ug/l	99
20) Methylene Chloride	4.50	84	113627	46.100	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	106195	47.913	ug/l	97
22) Diisopropyl ether	5.91	45	334107	50.708	ug/l	99
23) Vinyl Acetate	5.85	43	1385772	263.006	ug/l	99
24) 1,1-Dichloroethane	5.80	63	193700	49.191	ug/l	99
25) 2-Butanone	6.79	43	324898	254.803	ug/l	99
26) 2,2-Dichloropropane	6.78	77	170429	49.903	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	122109	48.961	ug/l	99
28) Bromochloromethane	7.15	49	85511	47.469	ug/l	97
29) Tetrahydrofuran	7.17	42	224712	255.300	ug/l	99
30) Chloroform	7.33	83	199114	49.034	ug/l	100
31) Cyclohexane	7.61	56	161717	48.491	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	172634	49.498	ug/l	99
36) 1,1-Dichloropropene	7.75	75	149446	51.646	ug/l	100
37) Ethyl Acetate	6.88	43	142321	51.059	ug/l	99
38) Carbon Tetrachloride	7.73	117	155829	51.756	ug/l	99

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39) Methylcyclohexane	9.05	83	163698	52.551	ug/l	99
40) Benzene	8.00	78	449196	50.658	ug/l	98
41) Methacrylonitrile	7.12	41	55990	43.533	ug/l	96
42) 1,2-Dichloroethane	8.09	62	148422	49.618	ug/l	100
43) Isopropyl Acetate	8.13	43	234548	52.294	ug/l #	92
44) Trichloroethene	8.80	130	129806	49.615	ug/l	100
45) 1,2-Dichloropropane	9.08	63	119675	52.116	ug/l	97
46) Dibromomethane	9.17	93	78927	51.449	ug/l	98
47) Bromodichloromethane	9.37	83	158242	51.265	ug/l	100
48) Methyl methacrylate	9.17	41	113690	53.047	ug/l	98
49) 1,4-Dioxane	9.17	88	43354	1070.289	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	715106	265.574	ug/l	99
52) Toluene	10.13	92	283957	52.000	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	179335	52.162	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	194922	52.894	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	110654	49.278	ug/l	98
56) Ethyl methacrylate	10.40	69	168878	54.499	ug/l	99
57) 1,3-Dichloropropane	10.68	76	187921	50.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	461927	271.001	ug/l	100
59) 2-Hexanone	10.72	43	520858	268.777	ug/l	100
60) Dibromochloromethane	10.87	129	127908	51.244	ug/l	99
61) 1,2-Dibromoethane	10.98	107	119682	52.460	ug/l	99
64) Tetrachloroethene	10.60	164	134184	48.520	ug/l	97
65) Chlorobenzene	11.41	112	311698	51.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	116432	51.900	ug/l	99
67) Ethyl Benzene	11.48	91	541253	53.076	ug/l	99
68) m/p-Xylenes	11.60	106	421053	109.054	ug/l	100
69) o-Xylene	11.92	106	200420	54.702	ug/l	99
70) Styrene	11.94	104	340302	55.019	ug/l	99
71) Bromoform	12.10	173	91880	51.278	ug/l #	100
73) Isopropylbenzene	12.22	105	527980	52.779	ug/l	99
74) N-amyl acetate	12.05	43	209249	53.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	147360	50.258	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	156251m	50.448	ug/l	
77) Bromobenzene	12.50	156	132755	49.224	ug/l	97
78) n-propylbenzene	12.57	91	610432	53.565	ug/l	99
79) 2-Chlorotoluene	12.65	91	357216	50.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	449280	54.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	58891	52.113	ug/l #	86
82) 4-Chlorotoluene	12.75	91	385385	52.193	ug/l	100
83) tert-Butylbenzene	12.97	119	375258	53.842	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	456178	54.262	ug/l	100
85) sec-Butylbenzene	13.14	105	496884	53.696	ug/l	100
86) p-Isopropyltoluene	13.26	119	473095	56.155	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	242976	50.709	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	245563	48.460	ug/l	99
89) n-Butylbenzene	13.59	91	400425	54.122	ug/l	99
90) Hexachloroethane	13.85	117	78541	53.664	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	234822	49.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31895	48.345	ug/l	97

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93) 1,2,4-Trichlorobenzene	14.88	180	148227	50.929	ug/l	100
94) Hexachlorobutadiene	14.98	225	68341	52.128	ug/l	100
95) Naphthalene	15.10	128	448288	51.413	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	140877	50.909	ug/l	99

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

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